THE CHEMIST AND DRUGGIST

TELEPHONE NUMBER: 3617 CENTRAL (3 lines).

Established in **ENGLAND, 1859.]**

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TELEGRAPHIC ADDRESS: "CHEMICUS, CANNON, LONDON." [Charged as two words only.]

Established in **[AUSTRALASIA, 1885.**

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Subscription Rate, 12s. 6d. per annum. Single Copies, 6d. each. Winter and Summer Issues, 1s. each. Post Free

Extract of Malt
with
Cod Liver Oil
packed in amber-tinted glass jars —labelled.

SIZES.
½ lb., 1 lb., 2 lb., 4 lb.

Orders can be received for delivery.

Allen & Hanburys,
Limited,
London.

Extract of Malt
with
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SIZES:
½ lb., 1 lb., 2 lb., 4 lb.

Orders can be received for delivery.

Allen & Hanburys,
Limited,
London.

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"A Rose by any other name would smell as sweet."

NOTHING, HOWEVER,
SMELLS AS SWEET AS

"ROSETTOL"

"ROSETTOL" was first in the field, and holds first place amongst the synthetic rose products.

Read the following testimonial recently received from an eminent Pharmacist:—
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"Rosettol is better than any other artificial otto that I have tried."

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We have not raised the price, notwithstanding the enormous advance in raw materials.

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WERE AWARDED

GRAND PRIX, Turin International Exhibition, 1911.
GOLD MEDAL, Brussels International Exhibition, 1910.

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The PROFIT on this article is therefore INCREASED by **1/-** per gross. A Bonus of 2 dozen is given to each gross purchased.

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2 doz. „ „ Bonus - - -		2 doz. Bonus „ „	**13 0**
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		Cost -	**3 3 0**
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HENRY C. QUELCH & CO.

4 & 5 LUDGATE SQUARE, LONDON, E.C.

April 26, 1916.

Resolution 17.

"That a minimum profit of 20 per cent. on the selling price of all "foods should be provided, when purchased in any quantities."

Local Associations Conference, Pharmaceutical Journal Supplement, Oct. 30th, 1915.

Messrs.

FOOD, Limited.

have agreed with the P.A.T.A. to raise the Minimum Retail Prices of Benger's Food in order to provide the Trade with the discount sought for in the above Resolution.

On and after, Monday, May 1st, 1916, the Minimum Retail Prices of Benger's Food will be as follows:—

Advertised Prices (unaltered)	New Minimum Retail Prices
1/- size - - (a new size) -	1/-
1/6 ,, - - - - -	1/5
2/6 ,, - - - - -	2/3
5/- ,, - - - - -	4/6
10/- ,, - - - - -	9/-

Trade Prices and Terms will be adjusted accordingly.

The Prices of all other Benger Preparations will be amended.

SPECIAL ATTENTION is drawn to the new 1/- size,—it is hoped that the Trade will order a small stock to meet demand for it.

Messrs. Benger's Food, Ltd., having met the suggestions embodied in the above quoted Resolution, trust that their action will be appreciated and reciprocated.

Supplies may be obtained through all Wholesale Houses, or direct from the Sole Manufacturers:

BENGER'S FOOD, Ltd. —— Otter Works, —— MANCHESTER, Eng.

Branch Offices:

117, Pitt Street, Sydney, N.S.W. 90, Beekman Street, New York, U.S.A.

Highgate Hill,
London, N.
April 13, 1916.

To the
Chesebrough Manufacturing Co. (Consolidated),
London & New York.

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Gentlemen,

In consideration of your not taking proceedings against us for infringing your well-known Trade Mark "VASELINE" by advertising and selling an article described as "Ward's New Rheumatic Vaseline" which was not of your manufacture, we hereby APOLOGISE for having so made use of your said Trade Mark without your consent, and give this our UNDERTAKING that we will not at any future time infringe your said Trade Mark in any way whatsoever.

We further agree that you are at liberty to advertise and make use of this APOLOGY as you think fit.

We are, Gentlemen,
Your obedient Servant,
M. SIBLEY.

Witness:
EDWARD DAY,
42 Holborn Viaduct, E.C.

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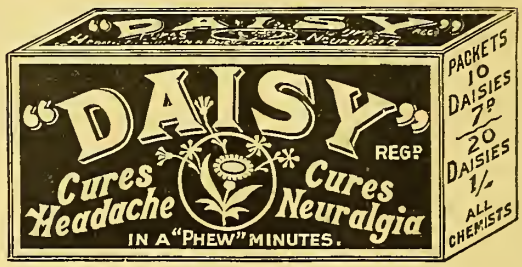

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We have often said it before, but it's truer than ever to-day:—"There's more profit for you in selling 'Daisy' "daily and pocketing the substantial profits it yields, "than in pushing your own or any other obscure brand "of powders."

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NO POLISH.

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Maw's Page
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(G.P.O. BOX No 541)
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LONDON, E.C.
No. 237 APRIL 29, 1916

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. . . .

MENTHOL EAU DE COLOGNE.

Very fragrant and refreshing, this preparation creates a most soothing effect when applied to the head. Nurses are large purchasers of this line.

1/- size, **8/3** doz.
1/6 size, **14/3** „

With Showcard.

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THE COLOGNE FOR ALL OCCASIONS. "No. 11."

Here is a preparation of rare elegance and excellence distilled under ideal conditions, and put up in attractive bottles, complete with corkscrew. "No. 11" has come to stay.

2-ounce, **10/-** doz.

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In wickers: Reputed ½-pint, **36/-** doz.

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"Divest from its husk the barley brought by our vessels from the Libyan fields. Take two pounds of this barley with an equal quantity of bean-flour, and mix them with ten eggs.

. . . .

"When these ingredients have been dried in the air, have them ground, and add the sixth part of a pound of hartshorn, of that which falls in the Spring. When the whole has been reduced to a fine flour, pass it through a sieve, and complete the preparation with twelve narcissus bulbs pounded in a mortar, two ounces of gum, as much of Tuscan seed, and eighteen ounces of honey. Every woman who spreads it on her face will render it smoother and more brilliant than her mirror."

. . . .

Thus wrote Ovid, a Roman poet who compiled a book on cosmetics. Down through the ages the care of the complexion has yielded various receipes and preparations. Woman has looked upon the attainment of facial beauty and charm as men seek position and power; a natural sequence in the evolution of their lives. Supply has shaped itself to demand. The women of the time of Nero favoured a certain unguent known as *susinum*—and obtained it at four hundred denarii (£14) per pound.

. . . .

The modern woman, the munition worker and business girl; the devotee of the car and the golf course, favour more simple cosmetics with guaranteed reputations, —and obtain them at popular prices consistent with quality, such as the preparations noted on this page.

Capsule

THE CALL OF SPRING

Sunshine and fresh air mean increased attention being given to the cultivation of feminine charms. "Parex" (Regd.) preparations offer the surest foundation of repeat sales: Quality.

. . .

PAREX TOOTH POWDER

Possesses perfect antiseptic and cleansing properties. **8/6** dozen with Bonus.

PAREX LIP SALVE

made in red or white, and put up in neat gold-coloured metal cases.
3/9 dozen, with Bonus.

PAREX SHAMPOO POWDER

Makes the hair bright and glossy. Delicately perfumed. **8/6** dozen with Bonus.

PAREX CRÊME DE LUXE

A delightful and refreshing non-greasy cream. Keeps the skin soft and velvety. In artistic jars in cartons. Price **10/5** dozen.

PAREX FLORAL SACHET

Put up in various perfumes, in daintily printed envelopes. **7/-** dozen with Bonus.

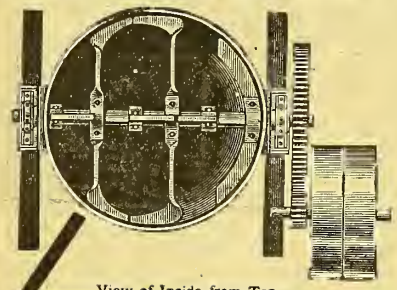
PAREX TALCUM POWDER

Refined, antiseptic, and charmingly perfumed: Violet, White Rose, and Carnation.
7/2 dozen with Bonus.

. . . .

COMPLETE 'PAREX' LIST ON REQUEST

NEW PATENT MIXING MACHINE



View of Inside from Top.

Cannot fail to be of advantage to you for :—

1.—AUTOMATIC SELF-CLEANING.
2.—LOWEST POSSIBLE DRIVING POWER. (Stirrer Shaft rotates on Roller Bearings.)
3.—LIGHTNING MIXING.
4.—RAPID EXHAUST.

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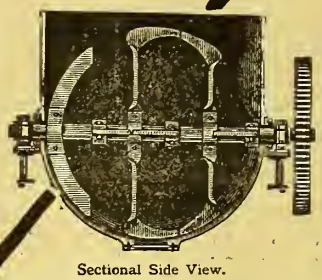
Mixing and Grinding Specialists,
BOUNDARY ST., LIVERPOOL.



Sectional Side View.

SPECIAL BONUS TERMS

are now offered to retail Chemists willing to maintain fixed selling prices and grant facilities (as regards window displays, &c.) for advertising

MOTHER
SEIGEL'S SYRUP

Full particulars will be sent on application to

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THE QUEEN LIQUID
:: NAIL POLISH ::

Highly Profitable.

Sold at all Wholesale Houses
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Per Dozen.

Retailing at
1/- 1/6 2/6
Per Bottle.

Applications for Agencies invited.

The Kraska Co., Ld.
7 Blenheim St., LONDON, W.

INDEX and BUYERS' GUIDE

See page 5.

"FERROCARNIS"

A pleasantly flavoured solution of iron in organic combination with BRAND'S Concentrated Raw Meat Juice.

Ferrocarnis combines the stimulating properties of meat juice with the tonic effect of iron. This product does not cause constipation, and thus affords a means of administering iron to patients who are unable to take ordinary iron preparations.

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Recommended for Varicose Veins, Rheumatic Gout, Diseases of the Joints, Swelling of the Legs.

Sizes
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3½ in. 4 in.
Wide.

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FOR

VĒVAX ORDINARY CRÊPE BANDAGES.

PRICES.

	Width 2″	2½″	3″	3½″	4″	
"VEVAX" ORDINARY Approx. 70 % Pure Wool (Single Green Line).	**11/6**	**13/9**	**16/6**	**18/6**	**21/-**	per dozen.
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"Vevax" Ordinary measures about 6 yards when fully stretched.

Other widths to order only. Usual discount.

On 6 dozen of a kind assorted we print customer's name and address.

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61,000 TINS

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in addition to a quantity of loose Tins. Packed in strong cases of 105 large, 210 small, and 70 large and 54 small tins. Net contents of large tin, 23 oz., of small tin 11 oz. Eminent London Analyst's report upon quality of Extract.

For full particulars apply to the Controller—

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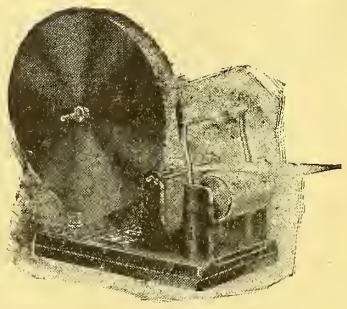

This little machine, the "DEMON," will secure them with Gummed Paper Tape NEATLY, QUICKLY & EFFECTIVELY at a fraction of the cost of string or sealing-wax.

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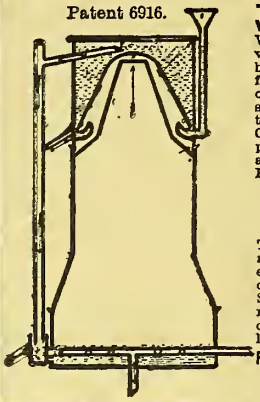
Patent 6916.



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For producing up to

1½ gallons per hour,	£3 10 0		
" 5 " "	£10 0 0		+15%
" 9 " "	£12 10 0		
" 15 " "	£16 10 0		

The few most important places we give below afford evidence of the quality, efficiency and economy of the Steam Stills:—National Physical Laboratory, 2 in use; Imperial College of Science 8 in use; University of Wales; Pharmaceutical Society; Guy's Hospital Bacteriological Department; and many of the leading Breweries and Drug Houses, etc. etc.

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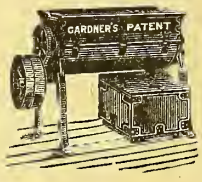

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Manufacturing Chemists
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CLEAR BLUE TINTED.—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz. Plain or graduated.
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WHITE PHIALS.—½ oz., 1 oz., 1½ oz., 2 oz. Plain or teaspoons.
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PANEL BOTTLES.
We send six gross assorted or otherwise, carriage paid within seven miles, and to certain stations. Particulars on application.
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Summer Issue
July 29, 1916.

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"I formerly recommended Sanatogen, but now recommend Sanaphos."—M.O., M.C.H., Co. Down, Ire.

"I have personally found Sanaphos equal to Sanatogen."—M.D., Ch.B., Upper Gloucester-pl., N.W.

"I was a user of Sanatogen; I find Sanaphos preferable. If there were no Sanaphos, I still would recommend Sanatogen or any other German product."—M.R.C.S., M.R.C.P., Devon.

"I now prescribe Sanaphos as it is better and more palatable than Sanatogen."—L.R.C.P.S.I., O.P.H. Lond., Co. Fermanagh.

"I have used both Sanaphos and Sanatogen, and I believe Sanaphos is superior to Sanatogen."—M.B., B.Ch., etc., Bewdley.

"I have abandoned Sanatogen for Sanaphos, as I consider the latter to be superior."—M.R.C.S., etc., Aylesbury.

"I have used Sanatogen for years, but shall never do so again, finding Sanaphos superior in every way."—L.R.C.P., M.R.C.S., etc., Newport, Mon.

"Far superior to Sanatogen."—L.O.S. Eng., Preston.

"A few weeks ago the representative of Sanatogen called upon me 'to remind me that Sanatogen was still being made.' I entirely refused to reinstate the product in my prescription, and told him that I should never support the business of an alien enemy. He told me that Wulfing would never be *allowed* to trade in England again, but I think that is extremely unlikely. I hope that he will not trade here again—through lack of customers. I have ordered Sanaphos lately in a post-operation case, and my patient expressed her satisfaction."—Dr., Hampstead, N.W.

"I gave Sanaphos to a small nephew of mine, aged five years, suffering from great emaciation, anæmia, and neurasthenia after a second operation for radical cure for hernia. The child soon commenced to respond to his new food, and is now a strong, healthy, and very active boy—due, I am sure, to Sanaphos. This induced me to give Sanaphos to two children much [illegible] diphtheria, [illegible]

"Some time ago I gave Sanaphos to a 'nerve case,' and was much gratified and surprised at the change effected after some two or three weeks' use."—M.O., Newcastle-on-Tyne.

"Members of my family were all run down after rather severe attacks of influenza. In each case there was rapid and marked improvement in health and strength and colour after a course of Sanaphos. I have also given Sanaphos to patients, pointing out that it was to be considered a food and not a medicine in the ordinary sense. These without exception are in better health. I may also state that in me I have both taken and advised the use of Sanatogen, but I am certain the new product, Sanaphos, is a much better article, as it is much more soluble and infinitely pleasanter to take. The older preparation always left a deposit in the drinking vessel, which might be described as almost gritty and was decidedly unpleasant—to myself, at least. I have no doubt as to the efficacy and general superiority of Sanaphos."—M.D., Ladbroke-grove, W.

"My husband (Dr. ——), to whom you sent the samples of Sanaphos, wishes me to write and thank you. He is suffering with neuritis, and has derived benefit from Sanaphos."—Ben Rhydding, Yks.

"Personally I have found that Sanaphos is superior to Sanatogen, and so have my patients."—Or., Salop.

"Having used both Sanatogen and latterly Sanaphos, it is my opinion that Sanaphos is much the superior article and should always be ordered by medical men."—M.B., C.H.M., S. Devon.

"I consider Sanaphos a better and more palatable preparation than Sanatogen."—M.D. Lond., F.R.C.P., Upper Wimpole-street, W.

"All my patients prefer Sanaphos."—L.R.C.P and L.M., London, S.W.

"I have not used Sanatogen for a long time as I find the English preparation as good, if not better."—L.R.C.S. and P.

"British Sanaphos is superior."—M.R.C.S.

"I am glad to say my wife is feeling better already. I have [illegible] Sanaphos to

Now recognised as the best product of its kind.

Sanaphos

BRITISH MADE and BRITISH OWNED.

The British Milk Products Co., Ltd., 69 Mark Lane, London, E.C.

OVALTINE

TONIC FOOD BEVERAGE

REVISED PRICES.

OWING TO THE GREATLY INCREASED COST OF ALL RAW MATERIAL, IT HAS BEEN FOUND NECESSARY TO REVISE THE PRICES OF "OVALTINE" AS FROM APRIL 28, 1916.

	New Retail Price.	New Trade Price.
1/- Size	1/2 P.A.T.A.	11/- per Doz.
1/9	2/- „	18/6 „ „
3/-	3/6 „	33/- „ „

THIS INCREASE, WHICH IS SMALL IN COMPARISON WITH THE INCREASED COST OF MANUFACTURE, HAS BEEN AVOIDED AS LONG AS POSSIBLE, AND IN MAKING IT THE FORMER HIGH LEVEL OF PROFIT TO THE TRADE HAS BEEN RETAINED. THE ADVANTAGEOUS TRADE TERMS AND DISCOUNTS FOR DIRECT BUYING ARE UNALTERED.

A. WANDER, LTD.,

45 Cowcross Street, LONDON, E.C.

WORKS: KING'S LANGLEY, HERTFORDSHIRE.

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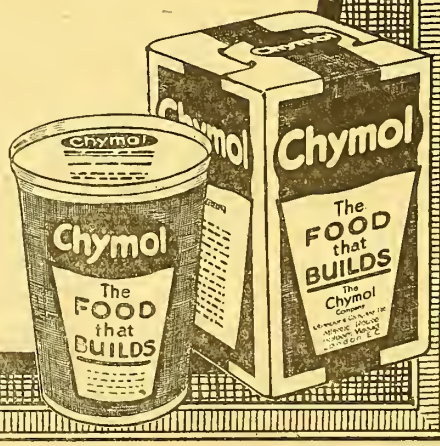

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THE COMPLETE TONIC FOOD

HEROGEN needs only to be introduced to the public to command satisfying sales. To promote this publicity, we are now offering special

BONUS TERMS

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HIGH RATE OF PROFIT.

Write for particulars. *New advertising material on application*

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THE CHEMIST AND DRUGGIST

A Weekly Journal of Pharmacy and of the Chemical and Drug Trades
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official Journal of eighteen Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

Subscription Rates.
Twelve Shillings and Sixpence a year in advance, post free to any part of the world, including a copy of *The Chemist and Druggist Diary* next published. Subscriptions may begin any month. Single Copy, 6*d.*; Summer or Winter Number, 1*s.*; *Diary* 3*s.* 6*d.* Postal orders and cheques to be crossed "Martin's Bank (Limited)."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 12*s.* 6*d.*, franco.

Цѣна годового абонемента: Газета еженедѣльно и Дневникъ разъ въ годъ 12 шиллинга 6 пенсъ съ пересылкой.

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Terms for advertising in THE CHEMIST AND DRUGGIST can be obtained on application to the Publisher at the
Head Office: 42 CANNON STREET, LONDON, E.C.
Telegrams: "Chemicus, Cannon, London." Telephone 3617 Central (three lines).
Branches: ADELAIDE, MELBOURNE, AND SYDNEY, AUST.

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Coming Events.

Sunday, April 30.

Pharmacists' Volunteer Training Corps, Millbank Schools, Erasmus Street, Westminster, S.W., at 10 A.M. Drill and lecture. The bacteriological course will be continued on Wednesday, Thursday, and Saturday at 10 Bedford Square, W.C.

Monday, May 1.

Society of Chemical Industry, London Section, Burlington House, Piccadilly, W., at 8 P.M.. Mr. J. S. G. Thomas on "The Evaporation of Naphthaline in Dry and in Moist Coal Gas"; Professor Frank Clowes "An Historical Summary of our Knowledge of Sulphur in Coal Gas."

Wednesday, May 3.

Linnean Society Rooms, Burlington House, Piccadilly, London, W., at 3 P.M. Discussion on "The Neglect of Science," when resolutions will be submitted bringing the views of the meeting to the notice of the Government.

Pharmaceutical Society of Great Britain, 16 Bloomsbury Square, London, W.C., at 11 A.M. Council-meeting.

Association of Women Pharmacists, Gordon Hall, Gordon Square, London, W.C., at 7.30 P.M. Mrs. Freke on "The Conference of the National Union of Women Workers," and Miss M. Elsworth. "Experiences of a Woman Pharmacist."

Thursday, May 4.

Chemical Society, Burlington House, Piccadilly, London, W., at 8.30 P.M. Nine papers are to be communicated.

North London Pharmacists' Association, St. Padarn's Hall, Salterton Road, Seven Sisters' Road, Holloway, N., at 3 P.M.

East London Pharmacists' Bowling Club, Bowling Green, Poplar, E. First meeting of the season.

London County Pharmaceutical Association, 17 Bloomsbury Square, W.C., at 3 P.M. Special meeting to consider the agenda of the Local Associations Conference.

European War News.

Prohibited Exports.

France.—"The Journal Officiel" (April 16) contains copy of a French Presidential Decree prohibiting the exportation and re-exportation (after warehousing, transit, transhipment, or under the "temporary admission" *régime*) from France of the following articles: Aloe-juice; berries, barks, leaves, herbs, lichens, roots, for dyeing, in the rough or ground; citric acid; degras; rennet; sabadilla-seeds; sugar of milk; sulphuric anhydride; medical thermometers; and thorium.

Germany.—The exportation of cork in any form and coal pitch is prohibited.

Holland.—According to a decree of April 14, the prohibition of coconuts has been extended to all preparations thereof.

Norway.—The Board of Trade are in receipt of telegraphic information from H.M. Minister at Christiania to the effect that the exportation of starch and of fish-liver oil from Norway has been prohibited. It is understood, however, that export-licences will be granted in respect of fish-liver oil on payment of duty at the following rates: For oil in barrels, 5 kr. per barrel; for oil in other packings, 5 öre per kilo.

Sweden.—Beechwood and articles made of beechwood, potassium hydrate, caustic soda, potassium carbonate, carbonate of soda, mineral colours other than chalk, white lead, zinc oxide, lead oxide, blue cinnabar, and cobalt colours have been placed on the prohibited list.

Military Tribunals' Decisions.

The following is a selection of the cases of trade interest which have been reported since our last issue:

Bexhill-on-Sea.—On April 18, Mr. J. H. Gates, with Mr. F. Wimshurst, Ph.C., applied for a certificate of exemption, producing at the same time a medical certificate, which stated that he was only fitted for garrison duty at home. The case was adjourned for two months.

Cardigan.—An application for the temporary exemption of W. Lloyd Richards, apprentice to Mr. Llewelyn, was refused by the Local Tribunal, and the decision was upheld by the County Appeal Court on April 18.

Cheltenham.—Exemption was granted until September 29 to a chemist and optician's assistant who assists in taking meteorological observations for the local authority. It was also stated that applicant is medically unfit.

Coseley.—Three months' exemption was granted to a chemist's assistant who dispenses under the National Insurance Act. Another shop belonging to applicant's employer has had to be closed owing to the difficulty in obtaining an assistant to replace one who has enlisted.

Esher.—On April 20, Mr. A. C. Patterson, chemist and druggist, of Gray & Patterson, Claygate, whose application was supported by the Surrey Insurance Committee, was granted exemption until August 1.

Exeter.—Exemption was granted until June 30 to Mr. G. H. Milton, indoor assistant with Evans, Gadd & Co., Ltd. Mr. H. Wippell Gadd, who made the application, said that he thought his company deserved some consideration, as they are making preparations which before the war were only made in Germany.

Gloucester.—In a case before the Appeal Court in which exemption was asked for a chemist's unqualified assistant, it was stated that advertisements for assistants failed to bring replies, and that the Labour Bureau could not supply substitutes. Exemption was granted, extending the time to a month.

Reigate.—Mr. Harry Hocken, chemist and druggist, was, on April 17, granted conditional exemption. The Insurance Committee stated that they could not support the application, but Mr. Hocken supplied information which influenced the Tribunal in their decision.

Rotherham.—Exemption for one month was granted to a chemist's assistant engaged in Insurance dispensing. A woman who had been training for the work had been taken ill.

Rugby.—Exemption until August 1 was granted to a chemist's apprentice who desires to study for his qualifying examination.

St. Annes-on-Sea.—The claim for exemption of a chemist's warehouseman was deferred to enable applicant to be examined by the Army Medical Board.

Salford.—Before the Appeal Tribunal a manufacturing chemist, in applying for the exemption of an assistant, said it is impossible to claim that any man is absolutely indispensable, but this assistant is of the utmost value to his firm. Fifty per cent. of the staff has enlisted. Exemption was granted until June 20.

Southport.—Another application was made on April 19 for the exemption of Sydney Richards, son of Mr. S. Charles Richards, chemist and druggist, director of G. Ball, Ltd. (see *C. & D.*, March 25, p. 35). The application was supported by Mr. R. H. West, Secretary of the Southport Pharmacists' Association. It was explained that the altered regulations regarding certified occupations had afforded another opportunity of bringing the matter up again, but the Tribunal resolved that as the case had already been decided it could not be reopened.

Southwark.—P. H. Galloway, Ltd., manufacturing druggists, Walworth Road, S.E., applied for the exemption of two carmen. The men were placed in certified occupations.

Strood.—On April 20, conditional exemption was granted to Mr. E. A. Lawton, chemist and druggist, Cliffe-at-Hoo, whose application was supported by the Kent Insurance Committee.

Weybridge.—The case of Mr. A. J. Ramage, chemist and druggist, manager for the Timothy White Co., Ltd., which was supported by the Surrey Insurance Committee, was adjourned for two months on condition that applicant joined and trained with the Volunteer Training Corps.

Worcester.—Conditional exemption was given to Mr. William Hodgson, dispenser with Messrs. Horniblow.—Mr. A. E. Coverdale, Ph.C., applying for a manager, said that he had advertised for a qualified chemist in six papers for four weeks. He had had three replies. The first man whom he interviewed was drunk, the second was seventy years of age and incapable of doing the work, and the third was a conscientious objector, whom he would not employ on any account. The Military Representative contended that there is no necessity for Mr. Coverdale to have two shops in Broad Street, and Mr. Coverdale replied that if one shop were shut the assistant would have to go to some other local chemist, for it would be impossible for the remaining shops to cope with the work. He had three shops with five men, including himself and an apprentice, to work them. Conditional exemption was granted.

New British Contraband List.

A new list of articles declared to be contraband of war has been issued by the Foreign Office. In view of the exceptional conditions now prevailing no distinction is now made between conditional and absolute contraband. The following is the list of articles so far as drugs, chemicals, etc., are concerned:

Acetic acid and acetates; acetic ether; acetones, and raw and finished materials usable for their preparation; aluminium, alumina, and salts of aluminium; ammonia liquor; ammonium salts; anilino and its derivatives; antimony, together with the sulphides and oxides of antimony; arsenic and its compounds; arsenical ore; asbestos; barium chlorate and perchlorate; bauxite; benzol and its mixtures and derivatives; bones in any form, whole or crushed, and bone ash; borax, boric acid, and other boron compounds; bromine; calcium acetate, calcium nitrate, and calcium carbide; camphor; capsicum; carbon disulphide; carbon, halogen compounds of; carbonyl chloride; carborundum in all forms; casein; caustic potash and caustic soda; celluloid; chlorides, metallic (except chloride of sodium) and metalloidic; chlorine; chrome ore; cobalt; copper pyrites and other copper ores; cork dust; corundum, natural; cotton, raw, linters, cotton waste, cotton yarns, cotton piece-goods, and other cotton products capable of being used in the manufacture of explosives; cresol and its mixtures and derivatives; cyanamide; ethyl alcohol; forage and feeding-stuffs for animals; formic ether; fuming sulphuric acid; glycerin; lead and lead ore; lubricants; manganese and managanese ore; manganese dioxide; mercury; methyl alcohol; mineral oils, including benzine and motor-spirit; molybdenum and molybdenite; naphthalene and its mixtures and derivatives; nickel and nickel ore; nitric acid and nitrates of all kinds; oils and fats, animal, fish, and vegetable, other than those capable of use as lubricants, and not including essential oils; oleaginous seeds, nuts, and kernels; oleum; paraffin wax; peppers; phenol (carbolic acid) and its mixtures and derivatives; phosphorus and its compounds; phosgene; potassium salts; powders, whether specially prepared for use in war or not; prussiate of soda; resinous products; rubber (including raw, waste, and reclaimed rubber, solutions and jellies containing rubber, or any other preparations containing rubber, balata, and guttapercha, and the following varieties of rubber—viz., Borneo, Guayule, Jelutong, Palembang, Pontianac, and all other substances containing caoutchouc), and goods made wholly or partly of rubber; sabadilla-seeds and preparations therefrom; soap; sodium; sodium chlorate and perchlorate; sodium cyanide; solvent naphtha and its mixtures and derivatives; starch; sulphur; sulphur dioxide; sulphuric acid; sulphuric ether; tanning substances of all kinds, including quebracho wood and extracts for use in tanning; tin, chloride of tin, and tin ore; toluol and its mixtures and derivatives; tungsten; turpentine (oil and spirit); urea; vanadium; wolframite; wood tar and wood-tar oil; xylol and its mixtures and derivatives; zinc ore.

Miscellaneous.

The Siam Drug Store, Bangkok, has been added to the list of approved firms to whom articles may be exported.

According to Dutch official statistics the exports from Germany to Holland during January 1916 included 4,426 tons of drugs, dyes, and chemicals, against 6,861 tons during January 1915.

Enemy Patents.—Applications are being made by Watson & Sons (Electro-Medical), Ltd., for the use of patents 9,499/12 and 13,903/13 for Röntgen-ray tubes, belonging to Siemens & Halske Akt.-Ges. Mr. H. Lane is also applying for the use of patents 10,356/03, 17,591/09, and 11,878/10 for generating hydrogen gas.

The Wittenberg Camp.—Sir William Milligan, M.B. Manchester, communicates to the medical papers observations on the report recently issued, and suggests that the names of German physicians, surgeons, or specialists that occur in the Honorary or Corresponding Members' lists of the Royal Society of Medicine should be struck off.

Anzac Day.—The first anniversary of the landing of the Australian and New Zealand contingents in Gallipoli was celebrated in London and throughout the Dominions on Tuesday, April 25. The King and Queen were present at a service in Westminster Abbey, in remembrance of a great deed by "those our brothers who died at Gallipoli for their King and Empire, in the high cause of freedom and honour."

German Firms in Russia.—The Russian Government has appointed a Committee to classify the particular occupations of German and Austrian subjects in Russia, with the object of discovering to what extent Russian industries are under the control of alien enemies. From the report of the Committee it appears that the German domination is most pronounced in the electro-chemical industry.

A Well-paid Civil Dispenser who enlisted as a dispenser with the R.A.M.C. gets his grievances expounded in two paragraphs of "Truth," April 19. Our contemporary says the case is not a solitary one, and the attention of Sir Alfred Keogh is called to the matter. We may again warn all young men in pharmacy that dispensorships in the R.A.M.C. are not granted to recruits, and the facts stated in the "Truth" case prove this.

Medicinal Chemicals.—Dr. G. G. Henderson speaks very favourably of the progress of chemical-manufacture in this country. At a recent meeting held in London, the Royal Society and Insurance Commissioners being represented, it was reported that manufacturing processes for certain medicinal chemicals had been perfected at technical colleges. Several firms are now in a position to undertake the manufacture of the products, and the colleges are to be utilised for inquiries into possible methods of synthesis of certain drugs in great demand for the Army.

Petrol-supplies.—The President of the Board of Trade has appointed Mr. Oliver Bury (Chairman), Mr. Albert Edward Bowen, Sir John Prescott Hewett, G.C.S.I., and Mr. Philip G. L. Webb to be a Committee to control the supply and distribution of petrol, and to consider what measures are necessary in the national interest to ensure that adequate supplies of petrol shall be available for the purposes of the war and for other essential needs; to regulate the use of petrol for other purposes in the United Kingdom during the war; and to give effect to the measures decided upon. Mr. H. W. Cole, of the Board of Trade, will act as Secretary, with offices at 29 Abingdon Street, Westminster, S.W.

Enemy Firms to be Wound Up.—The additions to the enemy firms and companies gazetted for winding up include: Glidine, Ltd., Imperial Buildings, Ludgate Circus, London, E.C., preparation of baby-foods; Seamless Rubber Co., Ltd., 5 and 6 Kinghorn Street, London, E.C., agents for the sale of rubber goods; the Roborat Co., 23 Cloth Fair, Aldersgate Street, London, E.C., wholesale manufacturing chemists; H. Nickel & Co., 101-105 Goswell Road, London, E.C., druggists and surgical sundries manufacturers; Schliemann's Oil and Ceresine Co., Ltd., London House, 3 New London Street, London, E.C., agents for the sale of oils and wax; Rhine and Sea Transport Co., Ltd., New Hibernia Chambers, London Bridge, S.E., shipping agents; Nitsche & Gunther Optical Co., Ltd., 66 Hatton Garden, London, E.C., manufacturers of optical instruments; Lobenthal & Co., 17 (late of 15) Carthusian Street, London, E.C., bronze-powder merchants.

Business Changes.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

Mr. F. Maltby, chemist and druggist, Lincoln, has removed from Corporation Street to larger premises at 46 Silver Street.

Meggeson & Co., Ltd., have removed from 14 and 15 Miles Lane to more convenient and larger premises at Llewellyn Grove, New Church Street, Bermondsey, London, S.E.

English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Retail Prices.

The West Bromwich Pharmaceutical Association has issued the following list of altered minimum retail prices: Seltzogene charges, three-pint 2*s.* 9*d.*, five-pint, 3*s.* 9*d.*, and eight-pint 5*s.* 9*d.*; Rose's lime-juice, 1*s.* 4*d.*; cordial, 1*s.* 6*d.*; Eiffel Tower lemon-crystals, 5½*d.*; cod-liver oil, 3*d.* per oz. suggested for oil in bulk. Williams' goods advance as follows: 4*d.* shaving-cake, 5*d.*; shaving-stick, 10*d.* nickel, 1*s.*; shaving-stick, 9*d.* leatherette, 11*d.*; 1*s.* holder-top, 1*s.* 3*d.*; 10*d.* dental cream (with toothbrush-holder), 1*s.*; 10*d.* shaving cream and powder, 1*s.*; 10*d.* Talcum powder, 1*s.* Saccharin tablets, 100 1*s.* 1½*d.*, 200 2*s.* 2*d.*, and 500 5*s.*; tabloids, 100 1*s.* 6*d.*, 200 2*s.* 10*d.*, 500 6*s.* 10*d.*; Saxin tabloids, 100 1*s.* 2*d.*, 200 2*s.* 2*d.*, 500 5*s.* 2*d.*; Vitafer chocolate advance to 7½*d.* and 1*s.* 3*d.*

The Easter of Pharmacist Volunteers.

We have received a brightly written account of how the Pharmacists' Volunteer Corps spent Easter "Somewhere in England." They had a sham fight against men of the Central London Corps, beginning at 10 A.M., before the last of the breakfast disappeared, so that "the heavy breathing of marching men" and similar phrases occur in the earliest passages. Our writer, a pharmacist whose name recalls many Sherlock Holmes' events, was on guard at a certain part of the trench, and he writes in truly military fashion of the strenuous fight between his comrades and the Centrals. Even he himself had some shots, and half a dozen were, in his opinion, *hors de combat*, but the victims and some companions were inclined to argue the point. "Cease fire" and "Fall in" came all too soon, and the way that these men stiffen at any bit of strenuous galenical work proves that the trenches are stiffening them a good bit, apart from which they thoroughly enjoy themselves.

Contracts.

The following tenders have been accepted:

Barnsley Education Committee.—A. L. Johnson, Ltd., appointed chemists for the year.

East Ham Town Council.—Burgoyne, Burbidges & Co., three months' supplies of drugs and chemists' sundries; "Sanitas" Co., Ltd., disinfecting-powder at 4*l.* per ton, and crude sanitas and coal-tar fluid at 35*s.* per 10 gals., for annual supplies; Jeyes' Sanitary Compounds Co., Ltd., Cyllin soap at 1*l.* per ½ cwt., six months' supply; H. Edward Hope & Co., soluble creosote at 35*s.* per 40 gals.

Lancaster Town Council.—Vince & Co., chemists, Cheapside, Lancaster, and Bate & Gorst, chemists, Market Street, Lancaster, for drugs and medicines for Luneside Sanatorium.

Birmingham.

Droitwich is suffering from a heavy attack of diphtheria exceeding anything experienced since the isolation hospital was opened.

Mr. Edward Jackson, F.I.C., F.C.S., alkali inspector for the Midlands, died last week. He was a well-known figure in Midland scientific circles, and began life as an analytical chemist, having been trained at Owens College.

At the Bournville Gardeners' Spring Flower Show, Mr. W. Partridge, the well-known expert in autochrome photography, showed a magnificent set of views of the Cotswold country. Mr. Partridge is manager of Southall Bros. & Barclay's Easy Row establishment.

The "stay at home" Easter holiday was the occasion for much business in Birmingham, and visitors from the surrounding districts made the town very full after the long spell of holiday, which did not enable the busy pharmacist to have a respite from his arduous labours.

Liverpool.

Much complaint is rife because of the pre-May increase in the price of mineral waters, the fact that sugar had been advanced months ago being overlooked by the public. The Austrian waters are almost out of stock, and the Camwal "Aquaperia" is one of the leading lines taking their place.

As denoting the cosmopolitan population of Liverpool, a leading pharmacist with over thirty years' experience in the city's trade, and whose stock is one of the most varied in Lancashire, stated this week that seldom a day passes without his being asked for some foreign specific of which he has rarely heard.

The Frodsham Magistrates dismissed last week a case brought against Evans Sons, Lescher & Webb, Ltd., for using a motor-vehicle which had not got the registered weight of the axle painted upon it. It was explained that the Liverpool authority had granted permission for this, and the motor was used for military-hospital work.

Rather envious glances are being cast across the Mersey, on the Wirral side of which the closing hour (1 to 2 P.M.) for luncheon is steadily becoming the custom. The same privilege is in the early stages of operation north of Liverpool. As an intimation of the closure a card is displayed bearing the hours of opening and closing, together with the addition, "Please place urgent orders in letter-box." During the hours of darkness the exhibition of the word "Open" (red letters on a dark blind) may be noticed as extending.

A *C. & D.* representative was admitted to the weekly meeting of the directors of Ayrton, Saunders & Co., Ltd., on Tuesday, and informed that, though not without much inconvenience, business is being conducted almost as usual, there being no delay in the execution of orders. Trade-union pickets and police officers remained on duty both in the front and rear of the Hanover Street premises for over a week, but happily no breach of the peace had occurred. Many of the girl strikers had resumed work, and some of the men, all those still out being palpably weary of their enforced idleness. The directors continue firm.

Manchester.

A number of pharmacies have been showing Easter-eggs of Vinolia toilet-soap, and, judging from reports, have done good business.

Photographic chemists, who anticipated a brisk demand for photographic material, are somewhat disappointed, as there was no special rush.

A course of instruction in botany suitable for students of pharmacy will be given on Wednesday afternoons at Owens College from 2.30 to 5 o'clock, and will include one and a half hour's practical work. Fee, 21*s.* till July.

The scarcity of glycerin has caused one shop in the city to exhibit a half-gallon bottle of this useful commodity along with the *C. & D.* editorial article on glycerin restrictions, also a letter from the Correspondence column of the *C. & D.* So far, the sales of glycerin have not been restricted by chemists.

Salford Drugs.

Mr. G. D. Elsdon, B.Sc., F.I.C., borough analyst for Salford, in his report for 1915, states that out of 1,174 samples of foods and drugs examined, thirty-three, or 2.8 per cent., were adulterated. Among the drugs or allied products we note three pepper, one ground ginger, ten prescriptions (of which one was reported as adulterated), seven zinc ointment, seven ammoniated tincture of quinine, six boric ointment, six tincture of iodine (one adulterated), five castor oil, three fluid magnesia, three lime-water, three glycerin, two cod-liver oil emulsion, one solution of ferric acetate, and one camphorated oil. Commenting upon these Mr. Elsdon states that the prescription was a mixture of 2 dr. of potassium iodide in 8 oz. of water: 1.3 dr. only was found in the mixture dispensed. The pharmacist was cautioned by the local Insurance Committee, while the matter was also reported to the Pharmacists' Association. In regard to ammoniated tincture of quinine, he suggests that pharmacists should pay attention to this, as any serious deficiency in ammonia due to evaporation would have to be looked upon as adulteration.

Sheffield.

The friends of Mr. B. Lancaster, late pharmacist to the Sheffield Insurance Committee, will learn with regret that he has had a relapse while staying in the country. A speedy improvement in his health is hoped for.

The Infants Consultation Department has been increased through the war, and the firms supplying dried milk have had to increase prices. Chemists would be very pleased to see prices increased to ordinary wholesale rates.

The Sheffield medical officer of health, in his annual report, gives a percentage of 9.2 adulterated samples, compared with 6.4 in his previous report. The samples included eleven of spt. æth. nit., of which eight were found to be genuine.

Miscellaneous.

Mr. Joseph Roadnight, chemist and druggist, Station Road, Sidcup, Kent, has been fined 40*s.* for a breach of the Lighting Order.

The Plate-glass Window of the pharmacy of Mr. J. R. Stevenson, chemist and druggist, Harpenden, Herts, was smashed on April 20, an Army transport-wagon backing into the shop-front.

Obstruction.—Mr. Henry Sawyer, chemist and druggist, St. Alban's Row, Carlisle, was fined 5*s.*, on April 14, for per-

mitting three oil-barrels to remain on the highway from 10.45 A.M. to 3.15 P.M.

Theft.—Six weeks' hard labour was given to James Jackson for stealing three bottles of castor oil, valued at 2*s.*, from the pharmacy of Mr. F. J. Oliver, chemist and druggist, Bank Street, Maidstone.

Ringing the Changes.—At Clacton-on-Sea on April 17, a soldier named Robert Stanley Eskdale was fined 2*l.* for obtaining 1*s.* from the shop of Mr. Bailey, chemist and druggist, of Clacton, by means of "ringing the changes."

Shortage of Dyestuffs.—Professor W. J. Pope, F.R.S., Cambridge, communicates to "Nature" of April 20 some observations on the shortage of dyestuffs based upon five papers communicated to the New York Section of the Society of Chemical Industry.

National Chamber of Trade.—The eighteenth annual meeting and trade conference of this body is to be held in the South Wales Institute of Engineers, Park Place, Cardiff, beginning on Friday, April 28, and finishing on Tuesday, May 2. Mr. R. C. Walshaw, pharmacist, Huddersfield, is the President of the year.

Herb-growing.—The Herb-growing Association, of 7 Queen Anne's Chambers, London, S.W., has issued its first monthly circular, giving information about the most useful herbs to cultivate or gather; these include dandelion, coltsfoot, broom-tips, male fern, and the autumn crocus. The Association has established a drying-shed and warehouse at Bridge Farm, Weybridge.

Drugs as Spirit-substitutes.—The "Yorkshire Evening Post" has had a conversation with Mr. W. Huntrods, President of the Incorporated Society of Pharmacy and Drug-store Proprietors of Great Britain, Ltd., on this subject. In the course of it Mr. Huntrods denied the allegation of a member of the Leeds Off-licence Holders' Association to the effect that gallons of composition essences and sweet nitre are being sold as substitutes for spirits.

The Wellcome Historical Medical Museum will be re-opened on Wednesday, May 3. A special exhibition has been arranged in the Hall of Statuary of Japanese charms and amulets of medical interest, which have been collected and kindly lent by Mr. W. L. Hildburgh, M.A., Ph.D. The collection is an exceptional one, especially to those interested in medical folklore, and visitors will be admitted on presenting their visiting-card. The museum will be open from 10 A.M. to 6 P.M. daily, and from 10 A.M. to 1 P.M. on Saturdays until further notice.

Poisonings.—The cases reported since our last issue include the following: A Southwark baby ate two corrosive-sublimate tablets which the child's mother had placed on a ledge over the bed, and died in Guy's Hospital. The mother denied that the doctor warned her of the extremely poisonous nature of the tablets.—A Falmouth doctor, named Lanyon, who had been much overworked, poisoned himself with prussic acid while temporarily insane.—A Gateshead widow, aged eighty-seven, died as a result of burns in the mouth from drinking sal volatile insufficiently diluted.—A man named Hall committed suicide at Hackney with potassium cyanide.

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

Mr. M. Meek, Ph.C., has been appointed manager with Mr. W. S. Taylor, Ph.C., Enniskillen.

Mr. Isaac Mark Fisher, of Leonard & Co., Dublin, has been appointed manager of Baxter, Ltd., Ballymoney.

Mr. John McBirney, druggist, Rathfriland, has obtained a commission as lieutenant in the Army Veterinary Corps.

Mr. T. J. Kerr, R.D., Divis Street, Belfast, has passed the First Professional examination of the Royal College of Physicians and Surgeons, Ireland.

At the last meeting of the Monaghan Board of Guardians a letter was read from Mr. Charles McMullan, Belfast, offering to act as medicine-analyst to the Board for 6*s.* per sample. The Guardians resolved to offer 5*s.* per sample, or in the alternative to accept Mr. McMullan's resignation.

The Apothecaries' Hall of Ireland, referring to the growth and collection of medicinal plants in Ireland, states in the "Freeman's Journal" that the Hall has for upwards of a hundred years employed Irish plants in the manufacture of various pharmaceutical preparations. One family has specially grown particular plants for the Hall for three generations.

Ipecacuanha-wine.

At Lurgan Petty Sessions on April 20, the adjourned case was heard against Mr. John Black, Ph.C., Church Place, Lurgan, for having sold a quantity of ipecacuanha-wine which was not of the standard prescribed by the British Pharmacopœia (*C. & D.*, April 1, p. 37). The case had previously been adjourned, in order that the third sample might be sent to Somerset House for analysis by the Government analyst. That analysis showed that the deficiency was only 0.1 per cent. in alkaloids. The Chairman said the majority of the Magistrates agreed to allow the defendant 20*s.* costs, and the prosecutor would also have to pay the costs of the Government analysis. Mr. Bell (the Stipendiary) suggested that County Councils by bringing such cases had to pay needlessly heavy costs.

Organising Pharmacists.

The following circular has been issued by Messrs. J. C. Culbert and Jas. Dundee to the pharmacists of Belfast:

"In the opinion of a great many pharmacists the time is opportune, and indeed overdue, for a better understanding among pharmaceutical chemists. Our anomalous position, owing to lack of organisation for dealing with trade matters, has long been the subject of adverse comment, and recent happenings have emphasised this need and make it apparent that some co-operative effort is necessary for the general welfare of pharmacists. The following chemists—Messrs. James Tate, I. W. Nicholl, R. W. McKnight, James Guiler, S. Fleming, J. Montgomery, J. C. Culbert, and James Dundee—recently met informally to talk over the matter, and, encouraged by reports from many sources that such an organisation would be welcomed, they formed themselves into an *ad interim* Committee, with the pledge to do all in their power to form an up-to-date Association to deal with pharmaceutical problems and promote better understanding in the trade. Your co-operation is earnestly requested, and is essential if a successful Association is to be formed. We therefore request your signature to enclosed postcard herewith, which please post now so that the Committee may know whether sufficient support is forthcoming to justify them in calling a preliminary general meeting at an early date."

Early Closing in Belfast.

At the Police Committee of the Belfast Corporation on April 20, a deputation attended, representing the Ulster Drug Trade Association, and asked that a closing-order be made under the Shops Act, 1912, providing that chemists and druggists' shops should be closed for the serving of customers on the several weekdays, excepting Saturdays, at nine o'clock, and on Saturdays at 10.30 P.M. Mr. James Guiler (Secretary) introduced the deputation, and Mr. James Tate (President of the Pharmaceutical Society of Ireland) and Mr. Carse explained the wishes of the Association. The deputation were informed that the Committee are advised they have no power to make an order absolutely to close chemists' shops at any particular hour, as such shops must be allowed to sell medicines and medical and surgical appliances. The deputation, therefore, amended their application to accord with the Act, and thanked the Committee, which subsequently agreed that if three-fourths of the persons in the city carrying on the business of chemist or druggist are in favour of the proposed order they will recommend the Council to make the order.

Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

A tube of radium, in use at Dundee Royal Infirmary, has been lost.

The new infirmary at Arbroath, built at a cost of 14,000*l.*, was formally opened last Saturday.

Mr. William Cumming, chemist and druggist, has been elected Chairman of the Thurso Merchants' Association, which body has agreed to recommend shopkeepers to close at nine o'clock on Saturday evenings, as Thurso chemists have been doing.

Edinburgh.

Young's Oil Co., Ltd., have introduced women labour into their Addiewell Oil Works so as to liberate young men in the candle department.

At a meeting of the Edinburgh and East of Scotland Section of the Society of Chemical Industry, held at Edinburgh on April 19, Professor James Hendrick, of Aberdeen, gave the results of experiments with seaweed as a potash-yielder, and strongly advocated its use.

Dr. William Allan Jamieson, the well-known authority on skin diseases, died at his residence, 35 Charlotte Square, Edinburgh, on April 20. It was he who was chiefly responsible for introducing the Unna methods in this country, and for many years he was consulting physician of the Edinburgh Infirmary Skin Department.

A sequestration-petition against John Henderson, chemist and druggist, 74 Montrose Terrace, Edinburgh, has been lodged with the Sheriff at Edinburgh by Southall Bros. & Barclay, Ltd., chemists, Birmingham. Balfour & Manson, S.S.C., 77 Hanover Street, Edinburgh, are agents, and the matter is down for hearing in the Sheriff Court on May 7 and 14.

In a Scottish Society of Antiquaries paper by Mr. R. Scott Moncrieff (Secretary) it was stated that a malt distilled spirit had been manufactured as early as 1494, and it was only used for a century medicinally or chemically (preparation of gunpowder), the exclusive right of making and selling it in Edinburgh was held by the Guild of Surgeon Barbers for about the same period. The earliest use of the word "usquebagh" was in Fynes Morrison, who wrote in the end of the sixteenth century, and the earliest use of the word "whisky" was in a letter from Inverness dated October 28, 1736.

The report of St. Cuthbert's Co-operative Association, Ltd., for the half-year which ended March 7 has been issued. The Association is one of the most important of the kind in the country, having been founded in 1859. During the first twenty-one years the sales by the Society amounted to 266,663*l.*, and the membership was 2,097. In March of this year the membership was 49,345, and the sales during the six months amounted to 993,334*l.*, the profits being 207,245*l.* and the dividend 4*s.* per pound. The Association's drug-department showed the following results during the six months; we omit shillings and pence:

Branch	Net Sales	Total Expenses	Wages and Salaries	Profit
	£	£	£	£
Bread Street	1,777	453	352	718
Tynecastle	955	311	245	440
Hamilton Place... ...	589	220	152	275
Nicolson Street	886	232	159	296
Montrose Terrace ...	414	216	170	128
Haddington Place ...	591	205	139	116

It may be noted that one of these branches is a distributing and manufacturing centre.

Glasgow.

Mr. Johnston Shearer, a well-known Glasgow botanist, died last week at the age of eighty-nine.

From the balance-sheet of the Glasgow and West of Scotland Chemists' Association it appears to be in a flourishing condition.

The spring holiday was observed by many chemists, but a few preferred to open most of the day and shut on Tuesday for the usual half-holiday.

Sergeant Peter Irvine, R.A.M.C., has recently visited Glasgow and London, on short leave from the Front. Mr. Irvine has received a special appointment connected with the corps, in which his scientific knowledge and skill are more fully employed than in dispensing-work.

The "Y.M.C.A. Snapshots from Home League" is making an urgent appeal for workers. If a good response is not forthcoming applications for Glasgow district will have to be ignored. Photographic chemists who are willing to help should write to the Secretary, Mr. Andrew Bell, 100 Bothwell Street, Glasgow.

French News.

(From the "C. & D." Paris Correspondent.)

Shortage of Alcohol has been made good to some extent by importation of 60 o.p. spirit from Scotland. Paris Wholesale Druggists' Association proposes to group all buyers with a view to purchasing foreign alcohol in large quantities. Each firm was therefore asked to send the President a formal order for alcohol judged necessary for three months at an approximate price of 275f. per hectolitre, the money being payable to the Association Treasurer. Argentine alcohol, strength 90° to 92°, was then quoted at 190f. per hectolitre at Le Havre, Bordeaux, or St. Nazaire; the rest of the amount was to cover duty, recipients, etc. In case of the impossibility of executing orders, the money would be returned. An Argentine firm proposes to make one consignment in March, which ought to arrive in France this month, and a second which would arrive about May.

The Paris Society of Pharmacy, while endeavouring as far as possible to carry on its affairs as usual under present special circumstances, elected no new members, either resident or correspondent, in 1915. The only administrative measure taken was to invest the Society's surplus cash in the French War Loan. At a recent meeting of the Society the President made a comparison between its work during the present invasion of France and that of 1870-71, the last occasion on which the Germans were on French soil. The fact that forty-five years ago Paris was actually besieged sufficiently explains the constant discussion of alimentary problems then. In the present war alimentary questions happily preoccupy our foes more than ourselves, the President drily remarked. Other questions studied during 1870-71 were the abolition or reduction of the duties on alcohol as a means of aiding resumption of the manufacture of alkaloids.

The High Price of Certain Medicaments in France having been discussed in the Parisian daily papers, the Paris Retail Pharmacists' Association decided to get into touch with the Wholesale Druggists' Association and inquire into the facts of the case. The result of the interview was to leave the representative of the retail trade under the impression that most French wholesale drug-houses had been heavily pressed since the outbreak of the war, but that Professor Béhal, Director of the Office Pharmaceutique, deserves the special gratitude of the trade for services rendered. It is interesting to record that a comparison of London prices, as quoted in The Chemist and Druggist, with those quoted at Paris and New York, shows that for many important substances Parisian prices are the lowest of the three. Certain substances, such as analgesin, phenacetin, quinine, and salol, cost about half as much in Paris as in New York, and the Parisian prices of these, as well as of carbolic acid, permanganate of potassium, bromide of potassium, and resorcin, are, if anything, below London quotations. An important cause of shortage is the earmarking of certain substances for the purposes of national defence. Aniline and phenol were thus almost unobtainable until Professor Béhal took up the matter, and thus secured increase in the French output of analgesin, amidopyrin, salicylates, etc., by placing the necessary raw material at the disposal of French manufacturers. The Sanitary Service of the French Army takes two-thirds of the existing stocks of quinine, and all ipecacuanha available.

German News.

Coffee and Tea.—The supply of these is now being controlled by the Government, and so far five Imperial decrees regarding them have been issued, so that henceforth the supply to individuals will be infinitesimal.

Famine in Laxatives.—L. Kroeber states in a recent issue of "Münchener med. Wochenschr." that ere long only the barks of *Rhamnus frangula* and *R. cathartica* will be available as laxatives, owing to Germany being completely cut off from supplies of others.

The Indiarubber-supply is further limited by an Imperial order of April 1, which requires that everybody having old rubber articles weighing more than one kilo. (2.2 lb.) must hand them over to the Government authorities, but the order does not apply to articles which are actually in use.

War Losses.—The "Pharm. Ztg." reports that up to April the following deaths have occurred in the army: Military pharmacists, 24; pharmacists or students of pharmacy in the fighting ranks, 366; physicians, 619; professors and assistants, 81; and chemists, 266.

German Chemical-industry.—The "Frankfurter Zeitung" has recently published an optimistic article on this subject. Before the war the industry is said to have been valued at 90,000,000*l.* a year, and although it has suffered since, it is stated that in certain respects the business has been strengthened, and trade with neutral countries has improved. The position after the war is discussed, and the "F.Z." expects much even if the Allied countries do not hasten to help their enemies much.

Plaster-of-Paris mixed with vinegar assumes the consistency of putty, and does not set so readily as when mixed with water.

Dr. Philip Harper, Fiji, writing to "The Lancet" (I., 1916, p. 590), states that he has cured sixty-nine out of seventy cases of yaws with novarsenobenzol-Billon.

Legal Reports.

Trade Law.

Printing Trade-lists.—In the City of London Court, before Judge Atherley-Jones, K.C., on April 17, Mr. Henry V. Dorey, printer, trading as the Cavendish Press, 25 White Street, E.C., sued the Indo-Burma Co., Ltd., 108 Wool Exchange, Basinghall Street, for 53*l.* 18*s.*, balance of account for setting type for catalogues for Ross & Co., druggists' sundriesmen, Calcutta, and De Sanga & Co., Rangoon. Plaintiff said his claim was made in connection with setting up and printing two trade catalogues for them. One came to 39*l.* 4*s.* and the other to fourteen guineas. The last was not in dispute. In 1913 defendants gave him an order to print three annual issues of a price-list for Ross & Co. In July 1913 he issued 5,000 copies of the catalogue, and they paid 81*l.* for that. Defendants had not taken the other two issues which were contemplated when the terms were fixed, therefore he now charged the defendants for the type lying idle for two years. Only one-third of the charge for setting up the type was charged in the first account. That was the custom of the trade, and he now charged for the other two-thirds. After corroborative and other evidence his Honour gave judgment for the plaintiff for the amount claimed, with costs.

Medicine - stamp Acts.—At North London Police Court, before Mr. Wilberforce, on April 19, William Jonah Davies, trading as Baldwin & Co., 9 Electric Parade, Seven Sisters Road, N., was summoned, at the instance of the Commissioners of Customs and Excise, for selling unstamped female corrective mixture, Herbert's herbal blood-pills, Herbert's sarsaparilla, gout and rheumatic pills, and a "great pile remedy." Mr. Dart, solicitor, Custom House, who appeared in support of the five summonses, said that the defendant was a herbalist. The purchases were made through the post by Mr. Henson, an Excise officer, who called upon the defendant and ascertained that he was not a qualified chemist, but he said that his predecessor was, and as the latter had made and sold these preparations for years he thought he was entitled to sell some at least without stamp-duty. Asked which, he mentioned those which were described in the British Pharmacopœia. Mr. Ricketts (for the defence) said the defendant seemed to have been confused as to what he could and what he could not do, nor did he think the Commissioners themselves were quite clear as to the position. To this Mr. Dart replied that there had been a previous conviction, so that the Magistrate had not power to reduce the penalty lower than one-quarter in each case. There are five summonses, and the penalty in each case is 10*l.* In reply to the Magistrate, Mr. Dart stated that defendant on April 22, 1914, was fined 2*l.* 5*s.* in each of three cases (*C. & D.*, April 25, 1914, p. 133). Mr. Ricketts explained that the defendant was under the impression that British Pharmacopœia mixtures did not require stamps. In future he would see that the whole of the articles he sold would be stamped. His assistants had enlisted and he was the only one left in the business now. Mr. Wilberforce imposed the lowest possible fine—2*l.* 10*s.* in each case, or 12*l.* 10*s.* in all.

New Companies
and Company News.

P.C. means Private Company and R.O. Registered Office.

Rex Brand Specialities, Ltd. (P.C.).—Capital, 6,600*l.* Objects: To carry on the business of manufacturers of and dealers in toffee, casein, prepared foods, etc. The first directors are J. Field and T. Edwards. R.O., 245 Lavender Hill, S.W.

Albaverre, Ltd. (P.C.).—Capital 50,000*l.* Objects: To carry on the business of glass, glass-bottle, and stopper manufacturers, etc. The first directors are L. N. Bruner, A. C. Cronk, T. B. Kitson, W. Ward, and E. Williams, Oakdene, Barston Road, West Norwood.

F. J. Woods & Co., Ltd. (P.C.).—Capital 5,000*l.* Objects: To take over the business of F. J. Woods, Worsley Street, Hulme, Manchester, and to carry on business as chemists, druggists, oil and colour men, soapmakers, etc. The first directors are F. J. Woods and Mrs. E. Woods.

Toro Tablet Co., Ltd. (P.C.).—Capital 7,000*l.* Objects: To take over and carry on the business of N. E. Smith and A. E. Walter, the "Toro Tablet Co." The first directors are A. E. Walter, E. F. Pugh, A. Round, and A. V. Taylor. R.O., 95 Station Road, Birmingham.

Casson Compositions Co., Ltd. (P.C.).—Capital 2,000*l.* Objects: To carry on the business of manufacturers of paints, varnishes, lubricants, etc., manufacturing chemists and druggists, etc., and to adopt an agreement with A. Casson, who, with C. H. Hansen and F. P. Wild, are the first directors. R.O., 15 Craven Street, Strand, W.C.

Durbin's Drug-stores (Kingston), Ltd. (P.C.).—Capital 1,500*l.*, in 1*l.* shares. Objects: To take over the business of chemists and druggists carried on by Durbin's Drug-stores, Ltd., 24 Market Place, Kingston-on-Thames. The first directors are H. E. Durbin, Ph.C., H. S. Durbin, Ph.C., and A. E. Bird, chemist and druggist. R.O., 24 Market Place, Kingston-on-Thames, Surrey.

Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

Mrs. L. M. Price has been appointed as dispenser, etc., to the Croydon Union.

Miss J. A. Louch has been appointed dispenser at the Kingston (Surrey) Infirmary.

Mr. W. Woolley, J.P., has been appointed Vice-President of the Blackburn asd District Free Church Council.

Mr. E. Bowman, late assistant with Mr. H. G. Williams, chemist, Sheffield, has joined the 7/10th Liverpool Scottish.

Major W. B. Robinson, of Robinson & Sons, Ltd., box-makers, Chesterfield, has been elected Vice-Chairman of the local Board of Guardians.

Mr. A. W. Hudson, chemist and druggist, Stone Street, Cranbrook, Kent, has been re-elected an Overseer of the Poor by the Parish Council.

Mr. David A. Evans, 6 Milsom Street, Bath, is to represent the Bath Chamber of Commerce at the National Chamber of Trade Conference at Cardiff this week.

Mr. H. C. W. Oliver, chemist and druggist, West Malling (Kent), has been re-elected Vice-Chairman of the Parish Council, and Mr. Walter Stedman, chemist and druggist, of the same town, an overseer of the poor.

Mr. L. Ratcliffe, chemist and druggist, late of Newcastle-on-Tyne, who had retired from business, has taken over the management of Runcorn Poor-Law Institution while the Master is in the Army.

Mr. Clifford C. Paterson, M.I.E.E., A.M.I.C.E., of the National Physical Laboratory, is, as soon as possible, joining the Osram-Robertson Lampworks, Ltd., as director of laboratories for research and technical manufacturing purposes.

Mr. K. Badr, whose pharmacy is in Khazinda Square, Cairo, has recently completed a new bacteriological and analytical laboratory in connection with his business. Mr. Badr took courses, occupying two years, in bacteriology and clinical chemistry at the Paris University under Dr. Gorgeron, and at King's College, London, under Professor R. T. Hewlett and Dr. Taylor, and it was while he was studying in London that we made his acquaintance; he had been a *C. & D.* subscriber for some years. The new laboratory has been thoroughly equipped with up-to-date apparatus, and Mr. Badr has already established a reputation among medical men for clinical chemical examinations, bacteriological work, and analysis of foods and drinks.

Mr. C. T. Kingzett, F.I.C., F.C.S., the discoverer of "Sanitas," has recently communicated to a contemporary a plea for a real Institute of Chemistry. In this he points out that those who are members of the Institute of Chemistry, the Chemical Society, the Society of Chemical Industry, and the Society of Public Analysts have to pay annual subscriptions of 5*l.* 7*s.* to cover the lot. Incidentally he refers to the Pharmaceutical Society as one concerned with the education and training of pharmacists, and suggests the affiliation of all, besides certain changes in their titles. M.C.S. would stand for F.C.S., M.S.C.I. for members of the Society of Chemical Industry, M.P.A. for membership of the Society of Public Analysts, M.P.S. as at present, and F.I.C. also to have the present meaning. Other allied Societies are mentioned, such as the Royal Society, the British Association, and the British Pharmaceutical Conference. The last-named, he suggests, should be a function of the Pharmaceutical Society, which would deal with it, if continued, in association with the proper section of the new Institute of Chemistry which he suggests.

Magnesium-sulphate Solution (35 grains to the ounce) has been used as a lotion by Lieut. S. A. B. Paymaster with remarkable results in lymphangitis, cellulitis, erysipelas, orchitis, etc.—*British Medical Journal.*

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Council Candidates.

Further replies have been received from candidates for the Council of the Pharmaceutical Society. Mr. J. W. Deakin has sent us a copy of the address which he and Mr. Herbert Skinner are issuing to the electors. It covers the items regarding organisation, pharmaceutical research, National Health Insurance, and the protection of the qualification which were included in Mr. Skinner's views printed in the *C. & D.* last week (p. 77). Mr. R. Lord Gifford tells us that he has been so much occupied recently that he has not yet been able to reply to our request, but he has hopes of finding an opportunity shortly to state his views. Upon

Mr. Owen A. Clark.

Mr. Owen A. Clark

exceptional public duties have devolved within the last few weeks, and he fears that these will prevent him issuing an election address. The nature of the duties referred to is sufficiently serious to account for all Mr. Clark's spare time. Mr. Clark's local public record has been referred to before (*C. & D.*, April 8, p. 47), and the portrait which is here given shows him as Commandant of the V.A.D. Suffolk 15. He crystallises his views on pharmaceutical politics as follows:

> I am out for obtaining dispensing entirely for chemists, better remuneration of Insurance dispensing, and a general progressive policy.

Mr. W. H. Gibson,

who fills the office of Treasurer of the Pharmaceutical Society with dignity, and who is seeking re-election to the Council, is satisfied to trust himself in the hands of the electors in view of his previous record. His accumulated knowledge of finance has been placed freely at the service of the Society, and has made Mr. Gibson an important asset to the Council.

Mr. A. Hagon

sends us an outline of his views on pharmaceutical politics from which we extract the following points:

> Remuneration for National Insurance Act dispensing must be very considerably increased before pharmacists are satisfied. In my opinion this increased payment can be provided without added cost of a serious nature—*e.g.*, economies in administration and printing.
>
> I am convinced that any attempt at price-regulation applied to advertised goods by the Council of the Society would be a retrograde step, and would so lower the prestige of the Society that, apart from any question of the success or otherwise of the attempt, the loss of status would seriously affect the future of the Society in its dealings with Government Departments.
>
> I shall always resist the attempt on the part of the Apothecaries' Society to prostitute the Register of Chemists and Druggists by the inclusion of apothecaries' assistants

Mr. W. L. Currie.

The following is sent by Mr. D. Gilmour, Chairman of the North British Branch, and Mr. Thomas Guthrie, Chairman of the Pharmaceutical Standing Committee on Insurance (Scotland):

> On behalf of Scottish pharmacists we desire to refer to the position of Mr. W. L. Currie, of Glasgow, as a candidate for re-election. After a period of thirteen years' assiduous and faithful service as a member of Council, during which for a period he filled the office of Vice-President, it is unnecessary to enlarge on his qualifications. He has the advantage of being an ordinary retail pharmacist with a large and varied pharmaceutical practice, and therefore possesses from actual personal experience that sympathy with and interest in the practical problems affecting the great majority of the members of the Society so essential in a Council representative. In urging all members to return their voting-papers we would respectfully remind them that Mr. Currie is the sole representative of Scotland on the list of candidates, and we feel we can rely on their support in the continued maintenance of the Scottish representation on the Council.

Births.

Authenticated notices are inserted without charge.

Cockton.—At 17 Sandringham Road, Golders Green, London, on April 20, the wife of W. H. Cockton, Ph.C. (manager of the laboratories and warehouses of Parke's Drug Stores, Ltd.), of a son.

Flamank.—At "Athelstowe," Shalford, Guildford, on April 19, the wife of Arthur Flamank, Head Pharmacist, Royal Surrey County Hospital and Military Annex, of a daughter.

Hanbury.—At The Gables, Forty Hill, Enfield, on April 19, the wife of F. Capel Hanbury, Ph.C. (Allen & Hanburys, Ltd.), of a daughter.

Marriages.

Authenticated notices are inserted without charge.

Bowie—Gray.—At St. Michael's Parish Church, Edinburgh, on April 19, James Bowie, pharmacist, Edinburgh, to Eliza Stirling, only daughter of Mr. William Gray, 12 Murieston Road, Edinburgh.

Idris—Robertson.—At St. John's Church, Edinburgh, on April 17, Dr. Thomas Hubert Williams Idris (Surgeon, R.N.), third son of Mr. and Mrs. T. H. W. Idris, Highgate, London, to Eleanor Maud, youngest daughter of Mr. and Mrs. A. W. Robertson, Glencarse, Westcliff-on-Sea.

Kieldsen—Osmond.—At St. John's Church, Buxton, on April 25, Frederick Theodore Kieldsen, Honourable Artillery Company, to Charlotte Mary, second daughter of Mr. W. W. Osmond, Grange Road, Buxton.

Wright—Elliott.—At All Saints' Church, Evesham, on April 22, Private James Wright, second son of Mr. Thomas Wright, Muswell Hill, London, to Ella, eldest daughter of Mr. Henry A. Elliott, Evesham, chemist and druggist.

Deaths.

Authenticated notices are inserted without charge.

Huskisson.—At a nursing home on April 22, Mr. Owen Dudley Huskisson, manufacturing chemist, aged fifty. Deceased, who was the younger son of Mr. H. O. Huskisson, Ph.C., F.I.C., of H. O. Huskisson & Co., Moon Street, Islington, N., died from pericarditis, due to septic poisoning from a wound on the forehead, the result of an accident at his home. An inquest was held at the Holborn Coroner's Court.

Jeffrey.—At 361 Queen's Road, Wandsworth, London, S.W., on April 17, Mr. Edwin Basset Jeffrey, chemist and druggist, aged seventy-one.

Mackenzie.—At 54 Denton Road, Hornsey, London, N., on April 20, from pneumonia, after a few days' illness, Jeanie Anderson Greig, wife of Mr. Donald Mackenzie (T. & H. Smith, Ltd.), aged forty-seven.

McVitie.—At Wood Street, Maryport, on April 15, Mr. Joseph Elliot McVitie, chemist and druggist, manager for Mr. Henry Clark, chemist and druggist, Whitehaven, aged thirty-eight. Mr. McVitie served his apprenticeship with Mr. T. Skelton, Maryport, and went to Whitehaven about eleven years ago. He is survived by Mrs. McVitie and two young sons.

Mapson.—At 65 High Street, Bilston, on April 17, Mr. John Mapson, chemist and druggist, aged seventy-six.

Smith.—On April 24, Mr. Joseph Smith, chemist and druggist, of Joseph Smith & Son, 61 Manvers Street and 134 Sneinton Road, Nottingham, aged sixty-four.

Tyson.—At 16 Mayfield Road, Whalley Range, Manchester, on April 17, Mr. John Tyson, chemist and druggist, aged sixty-eight. After serving his apprenticeship with Matthew Burton, Kendal, Mr. Tyson was for some time assistant with Mr. Shepperley, Nottingham, then in 1869 went to Manchester, in the following year passed the Modified examination, and for over forty years had been a representative of James Woolley, Sons & Co., Ltd. He practically retired from active service some two years ago, but continued to pay occasional calls on a few old customers as health and weather permitted. An attack of phlebitis of the legs came on early this month and confined him to his bed, where he suffered much pain and passed away early on Monday morning last week. The interment took place at Brookfield Cemetery, Gorton, on April 19,

when, in addition to relatives, there were present Mr. George S. Woolley, Mr. C. A. Johnstone, Mr. A. Balmforth, Mr. W. Lane, Mr. Dalrymple, and Mr. Sidebottom.

White.—On Easter morning, April 22, Caroline Page, wife of Mr. Charles W. White, the Indian representative of chemical and pharmaceutical houses. Mrs. White was well known to many connected with British pharmacy at home and in India, and her death will bring to her bereaved husband universal sympathy. A Requiem Mass will be sung at the Church of St. Mary-le-Strand (opposite Somerset House) on Saturday, April 29, at 11 a.m.

Killed on Active Service.

Boote.—Captain C. W. Boote, of the Cheshire Regiment, who was killed in action on April 4, was secretary of R. H. Taylor, Ltd., dispensing and photographic chemists, 133 Kirkdale Road, Liverpool. He went through the Gallipoli operations, and after the evacuation got a month's leave. On his way home he was recalled and received his captaincy.

Horner.—Lieutenant Archibald Herbert Horner, Canadian Infantry, who was killed in action on April 13, was thirty-seven years of age. He was the fourth son of Mr. Edward Horner (formerly of Horner & Son, wholesale druggists), Pebmarsh, Essex, and grandson of the late Edward Horner, May Place, Crayford, Kent. He served throughout the South African War as a trooper in Paget's Horse. He had been living in Lumby, B.C., for two years before war broke out, and at once enlisted in the Canadian Infantry, receiving his commission in June 1915. He was a good athlete, and in 1904 won the amateur heavy-weight boxing championship of England.

Stewart.—Mr. Hawthorn Stewart, chemist and druggist, 81 High Street, Paisley, has been informed that his youngest son, Signaller John Stewart, of the Argyll and Sutherland Highlanders, has been killed by a trench-mortar. He enlisted at the outbreak of war.

Trade Notes.

Bicarbo-Phosphate is the latest introduction by Arthur H. Cox & Co., Ltd., Brighton. It is a tonic tablet, fifty of which retail for 1*s.* 3*d.*

"Vevax" Crepe Bandage.—Mr. R. J. Reuter, 69 Carter Lane, London, E.C., inserts an illustrated price-list of this and allied products.

Acetic, Carbolic, and Salicylic Acids and compounds of the last-named are offered by Herman & Herman, Inc., 165 Broadway, New York.

"Vaseline."—The importance of not using this word to describe anything that is not vaseline is exemplified by an apology published by the Chesebrough Manufacturing Co. in this issue.

Savory & Moore, 143 New Bond Street, London, W., publish in this issue revised prices of their food, and mention that the protected prices of their cocoa and milk preparations are the face values.

Fig, Senna, and Sulphur Tablets made by Thos. Guest & Co., Ltd., Ancoats, Manchester, are an excellent medicinal confection for retailing at this time, and the price is right—3½*d.* for a quarter of a pound.

Tetlow's Swan Down Powder.—Henry C. Quelch & Co., 4 and 5 Ludgate Square, London, E.C., announce alterations in the price of this face-powder. Particulars are given in an advertisement in this issue.

Benger's Food.—A shilling size of this food is new, and it retails at 1*s.* Benger's Food, Ltd., Otter Works, Manchester, also give in this issue a full list of minimum retail prices for other sizes which come into force on May 1.

Peltot's Cachets.—Mr. Cicero S. Clark, Pharmacie Française, 12 Richmond Road, Bayswater, London, W., agent in this country for Peltot's cachets, informs us that he has been obliged to increase the price from 2*s.* to 2*s.* 6*d.* per 1,000.

Biomalx.—A very large quantity of this preparation (barley-malt extract with glycerophosphates), packed in tins, is offered by the Controller, Mr. A. W. Straus, 7 Great Winchester Street, London, E.C. Particulars are given in his advertisement.

Mr. William Shadforth, Ph.C., 63 Grove Road, London, E., publishes at 1*s.* net a 256-page book entitled "The Wealth of Health." It is an interesting exposition of the treatment of various ailments, and includes the formulæ for pills advertised by the Shadforth Prescription Service, Ltd. A copy of the book will be sent free to any chemist who sends Mr. Shadforth a business card.

Camwal Prices.—The London headquarters of Camwal have fixed the duty-paid wholesale prices for the London area at 3*s.* 9*d.* per doz. 30-oz. syphons of soda and potash waters, 4*s.* 3*d.* per doz. syphons of lemonade, and 4*s.* 9*d.* per doz. syphons of lithia-water delivered to retailers in the area, subject to return of the syphons and certain discounts for quantity. A circular has been issued to buyers.

Prevention of Bribery.—The Bribery and Secret Commissions Prevention League (Incorporated), 9 Queen Street Place, London, E.C., write to say that after the war, when eager competition for new business ensues, it will be necessary to guard against bribery, and then as now there will be special need for the League. Consequently it has been decided as a temporary measure to admit those interested as associates for a twelve months' subscription of 5*s.*

A War Medical and First-aid Exhibition is to be held in the Royal Horticultural Hall, Vincent Square, Westminster, S.W., from Monday, May 22, to Friday, May 26, inclusive, 11 a.m. to 8 p.m. daily. The management is experienced in regard to three Exhibitions, including the Chemists' and two Medical. London and provincial chemists may obtain admission tickets from the Secretary, British and Colonial Druggist, Ltd., 194-200 Bishopsgate, London, E.C.

Foreign Proprietaries.—Wilcox, Jozeau & Co., 49 Haymarket, London, S.W., have issued a revised list of foreign patent medicines, wines, mineral waters, and toilet-preparations. In the case of most of the articles the retail price only is given on account of the uncertainties connected with quoting wholesale prices. The articles quoted in the list are all kept in stock, and the company intimate that in addition they have special facilities for obtaining any other foreign proprietaries.

Wills.

Mr. Henry Edward Roper, chemist and druggist, Oundle, Northants, who died on February 1, left estate valued at 401*l.* 8*s.* 9*d.* gross.

Mr. Thomas Edward Rossiter, chemist and druggist, Tiverton, Devon, who died on January 29, left estate valued at 3,791*l.* 19*s.* 2*d.* gross, with net personalty 1,707*l.* 6*s.* 5*d.*

Mr. Stephen Mills Osmond, oil merchant, Great Suffolk Street, Southwark, who died on February 9, left property valued at 27,330*l.* 17*s.* 6*d.*, of which 25,621*l.* 0*s.* 7*d.* is net personalty.

Mr. Edwin Gerald Medley, formerly soap-manufacturer and a manager to J. Crosfield & Sons, Ltd., Warrington, who died on December 19, left estate valued at 1,140*l.* 19*s.* 2*d.* gross, of which 1,020 15*s.* 3*d.* is net personalty.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. Please address us at 42 Cannon Street, E.C.

198/35. Gauze-folding machinery.
197/72. Hygenitol.
200/67. Moonseed ointment and bitters: present suppliers.
200/43. "Melline."
199/72. Aymard's leather respirators.
201/7 Jason's all-rubber infants' trues.
200/68. Galactophos.
197/11. Pine pillows: makers or suppliers.
188/47. Percy Wells' pills, No. 103.
169/71. Blakeman's No. 0 empty capsules.
173/24. Dr. Dennet's kidney-pills.

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, The Chemist and Druggist, 42 Cannon Street, London, E.C.:

Bronze powder, 200/65
Buchanan's lozenges, 189/12
Capsule-closing machinery, 199/38
Carmarole compound, 200/470
Carmel soap, 200/33
Cirola-bark extract, 200/471
Courshmann's solution, 198/8
"Dioxogen," 196/48
Dumas filter-papers, 200/1
"Frozoclone," 197/32
Jones' scour specific, 200/43
Lanoline, 197/47 and 198/43
"Liquefruta," 200/66
"Nobuzz," 199/74
"Ozomint" tooth-paste, 200/24
"Phormoids," 200/472
Phosphine, 198/56
"Pride of England" perfume, 197/33
Red oxide of iron, pure, 198/16
"Salith-leaves," 200/47
Setterie's syr. formatis comp., 197/15
Vapo-Cresoline, 197/35
White lard oil, 200/43

Observations and Reflections.

By Xrayser II.

Your Colonial Number

illustrates well the part played by trade in "the Imperial trend," and we perhaps need reminding, especially at this time, that if commerce is sometimes the occasion of quarrels, and even actual war, between nations, it is also, and to a much greater extent, a bond of union, a welder and civiliser of peoples. It is our splendid geographical position, almost compelling us to be the great trading people of the world, that is the true secret of the growth of the British Empire, and if we are to retain our Empire it is by our commerce that we must do it. This may never be independent of arms, but it is a far more stable foundation, and the most truly imperial-minded among us are the men whose commercial activity is the most intelligent and vigorous. As Lord Strangford sang:

"The land it boasts its titled hosts—they cannot vie with these,
The merchants of Old England, the seigneurs of the seas,
In the days of Queen Victoria, for they bore her sway
From the far Atlantic islands to the islands of Cathay."

No conquerors "that are or ever were" can compare with them as spreaders of Empire. The *C. & D.* has always been distinguished among trade journals for what may be called its imperial outlook; we cannot take up a single number without being reminded that we British pharmacists are only the eldest born of a vast family all the world over, whose interests and prosperity are inseparable. It is the sober truth that nothing I read in the political newspapers so brings home to me the sense of kinship with the most distant parts of our Dominions as do the little paragraphs of pharmaceutical news in your columns. We may be Empire-builders without knowing it!

Dr. McDonagh's Discovery

of a preparation, or rather two preparations, entirely non-toxic, to take the place of salvarsan in the treatment of syphilis, is interesting for several reasons, the chief of which is that the initiative in the discovery of new chemical products is not to be allowed to remain in the hands of the Germans. We have heard so much in the past twenty years or more about the pre-eminence of the German nation in chemical science that we have been tempted to belittle our own powers and to give up the hope of ever again coming to the front in this connection. But Dr. McDonagh's inductive genius has proved beyond the possibility of doubt that the British scientist is the equal of those of any other nation or race, while it is an added satisfaction that the actual chemical work involved in the synthesis of the two new compounds has been carried out by a British firm—The British Drug Houses, Ltd.

The Three Addresses

to local Associations—Mr. Sergeant's and Mr. Currie's at Leeds and Mr. Parry's at Liverpool—which you reported at some length last week, all deal exclusively with trade matters; with trade matters, too, those Council candidates who have shown themselves sufficiently interested in their own candidature to respond to your invitation to state their views, almost exclusively concern themselves; the only questions, in fact, in which pharmacists at the present moment are really interested are trade questions, and the only important points of difference with regard to them are how and by whom they should be dealt with. Mr. Hines, if I understand him, would have the Society deal with them directly, and sees no reason why it should not have or acquire the power to do so; Messrs. Skinner and Deakin have a more or less open mind on this matter, but appear to think a reformed Associations Executive our best hope; Mr. Parry is fairly well satisfied with what the Society has done and is doing, but makes the somewhat ominous remark that its action is limited by its Charter. He adds that we should lose little and gain much if the Executive Committee as at present constituted ceased to exist, which is unkind but probably true; I gather, however, that he thinks something useful might be done if it were reconstituted—he does not say how. If he refers to "freeing" it, the reform that Messrs. Skinner and Deakin advocate, his qualified satisfaction with the Society's action is hard to understand. Mr. Currie's speech is almost negligible as a contribution to pharmaceutical politics, but his criticism of the President is serious and significant. The "root-and-branch" reformer seems to be Mr. Hines, but he does not formulate his policy so carefully as Messrs. Skinner and Deakin; still, these three would all be in accord on the necessity for sweeping reform in procedure at least; personal liking would incline me to vote for Mr. Parry too, and I hope to see him returned next in position to the first three.

The Glass-industry Revival

is peculiarly gratifying to every British patriot, since it is evident that the past twelve months have seen the foundations laid of what will, as everyone hopes, prove to be the permanent resuscitation of a most important branch of applied science. Your account of the work going on in Scotland by the aid of Belgians and Italians may be supplemented by what is being done in Birmingham, where hard glass of a quality unsurpassed by any produced in Jena is being regularly manufactured in quantity that will soon be sufficient for the needs of the country so far as the production of lenses and prisms and, in fact, for all purposes for which hard glass is required. Better still, the lenses and prisms are now being made in London, largely by British workmen, as accurate and as satisfactory in every respect as any ever turned out by Zeiss. We used to be told that our people were not sufficiently educated for this fine class of work, which demands the application of an unusually high degree of skill to ensure the mathematical accuracy required. So accurate are some of these London-made prisms that they more than pass the Admiralty and War Office standards, and show an error of less than the fifteenth part of a minute. This extraordinary degree of perfection augurs well for the future of the new capture of German industry.

The Coconut-tree

though the oleine from its oil was at one time somewhat extensively recommended as a substitute for cod-liver oil, has never contributed anything to our official materia medica, which is curious, considering the tree's reputation as yielding "all the necessaries of life." In the description of it given by Pigafetti, a companion of Magellan's, who wrote in 1519 (this is one of the earliest accounts we have), we are told that the tree supplies the Ladrones with bread, wine, vinegar, and physic, the physic being apparently the arrack (to use the word of a later writer) made by fermenting the milk. De la Val adds to these honey, sugar, butter, and milk, besides the utensils and implements made from the wood, bark, leaves, and shells; while Mandelslo says that whole "ships," with their ropes, sails, and other fittings, were made from some part or other of the tree, whose "juice" is "an extraordinary Cleanser of the Reins and a Sovereign remedy against the Gravel." Lemery gives a long list of its medicinal virtues. "La moëlle de ces Coccos dessechée" is esteemed, he says, in the Maldives, a grand remedy for poison, for colic, for paralysis, and for nervous disorders. It is a little disappointing to find Gerard speak vaguely of the "strong and comfortable Aqua Vitae" made of its liquor as being used against "all manner of sicknesses." A traveller of the early seventeenth century tells us that in his time nuts were used as currency in trade with the natives of the Moluccas, five of them being equal in value to one nail.

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New Selling Prices

Improved Terms to the Trade.

The prices of

"SANITAS FLUID"

in bottles have been raised from

6d. and 1/- to 8d. and 1/3,

and must be retailed (under P.A.T.A. terms) at their face values,

Showing Increased Profit to the Trade.

Terms will be sent on application to:—

The "Sanitas" Co., Ltd., Limehouse, London, E.

BRITISH ABSOLUTE ALCOHOL

Jas. Burrough Ltd. *D.1. Cale Distillery, Hutton Rd., LAMBETH, S.E.*

"PYLITNA" POWDERS

The Internal Specific for Hæmorrhoids.

30/- doz. delivered. 3 free boxes on orders of 1 doz; also 1 extra for Cash with order (direct)—16 in all, on the understanding that window or counter show is given. Retail under P.A.T.A. @ 3/- Box.

G. S. MUMFORD & SONS, FARRINGDON RD., LONDON.

BENZALDEHYDE

Guaranteed free from Chlorine.

H. RUBECK, DISTILLER OF ESSENTIAL OILS,

Established 1856.

59 MARK LANE, LONDON, E.C.

PHARMACEUTICAL FORMULAS. (9th Ed.) 10/-, by Post 10/6.
ART OF DISPENSING. (9th Ed.) 596 pages. 6/-, by Post 6/4.
CHEMISTS' DICTIONARY OF SYNONYMS. 2/6, by Post 2/8.

THE CHEMIST AND DRUGGIST, 42 CANNON ST., E.C.

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"A revolution in the art of Urine Testing."—*Medical Press & Circular.*

ENDOLYTIC TUBES

"The Laboratory in the Waistcoat Pocket."

Wholesale Terms on application to the Sole Proprietors:
FLETCHER, FLETCHER & Co., Ltd., HOLLOWAY, LONDON, N.

Editorial Articles.

Vegetable Medicines.

During the past week several of our daily newspapers have, in paragraphs regarding the Herb-growing Association's circular, emphasised the importance of this subject to British cultivators. We also notice that the Board of Agriculture and Fisheries, Whitehall Place, London, S.W., has issued a revised leaflet on medicinal plants, and it is safe to conclude that many in this country are realising that there is need for greater interest in this subject. We like the way that the Herb-growing Association is going about the business, for it not only tells the people what plants to grow and gives advice in regard to drying them, but undertakes the drying and marketing of the cultivated products. There is no question of the fact that the United Kingdom and the United States have been relying too much upon the supplies of certain medicinal plants that they received from the Continent of Europe, especially from Austria-Hungary and Germany, and they had also been ignoring the fact that the cultivation of certain medicinal herbs had been diminishing, and the natural or wild products were being more relied upon. In a communication to the Pharmaceutical Chemistry Section of the International Congress of Applied Chemistry held in London in 1909 it was reported that a Vienna firm stated that the more valuable of the toxic drugs (aconite, belladonna, digitalis, and henbane) were not cultivated in Austria-Hungary, but were looked upon as troublesome weeds, and that the supply of digitalis was principally obtained from Germany. A similar tale was told from other parts of Europe, also that the pharmaceutical mind had become thoroughly awakened to the fact that there ought to be more drug-cultivation. This was especially noticeable in Austria-Hungary, in France, Switzerland, and the United States, as well as in this country to a certain extent. We mention these facts in order to show that the present movements are not solely the result of the war, but are an amplification of deficiencies that were known to exist before the war, but have become more serious in consequence. Unquestionably we can do better in herb-growing in this country, but pharmaceutical buyers must in the long run be content to pay more for reliable drugs than they have been doing in times past. We must rely more upon ourselves and less upon our neighbours, for they also are hard up for vegetable medicines. Authorities in Austria are endeavouring to encourage the growth of medicinal plants in that country because of the increased scarcity that prevails. In the spring of 1915 they published a list of plants that it was desirable to grow, and a fresh list has now been issued by the Committee appointed to encourage drug-cultivation in that Empire. This list includes many of the plants of the 1915 list, such as male fern, belladonna, stramonium, digitalis, and Triticum repens; and several have been added, including Acorus Calamus, Drosera rotundifolia, Juniperus communis, Lycopodium clavatum, Rosa canina, Sorbus aucuparia, and Vaccinium Myrtillus. The

Committee also recommend Austrian landowners to do their best in the production of the following plants, those in italics not having been mentioned last year:

Althæa officinalis, *Archangelica officinalis*, *Atropa Belladonna*, *Brassica nigra*, *Carduus benedictus*, *Carum Carvi*, Chrysanthemum cinerariæfolium, *Coriandrum sativum*, Digitalis purpurea, *Fœniculum officinale*, Gentiana lutea, Herniaria glabra and H. hirsuta, Mentha canadensis var. piperascens, Mentha piperita, *Origanum Majorana*, *Pimpinella Anisum*, Rheum palmatum and R. sanguticum, Salvia officinalis, Saponaria officinalis, *Sinapis alba*, *Thymus vulgaris*, Valeriana officinalis.

The same Committee is also encouraging the growth of vegetables which yield seeds that contain much fatty matter. Like our Board of Agriculture and the Herb-growing Association, the Committee offers to give inquirers all information that they want. In their last semi-annual Report Schimmel & Co., Leipzig, devote considerable space to the cultivation of medicinal plants, and ten pages of the matter are reprinted in the "American Journal of Pharmacy" for April. We mention these facts because some people are apt to conclude that the present scarcity of certain medicinal drugs is peculiarly British, but it is a common affliction. We have plenty of castor oil and abundance of senna, but our enemies want these badly. Our real scarcity, as a matter of fact, is failure to utilise conditions and supplies existing around us. The high prices at present prevailing will no doubt induce many to cultivate who have not done so before, but once a market is established it can only be kept if the prices as well as the drugs are right.

Military Hospital Dispensers.

The Army Council has issued an order to the effect that the male staff of all the military hospitals is to be reduced as far as possible, and that the services of men are to be replaced by women. The Order includes civilian dispensers, stewards, gardeners, and men of all other occupations, only those being retained whose services are considered by the Officer in Command to be indispensable. The Order applies equally to men over military age, and in accordance with the terms of the Order civilian dispensers have been given notice that their services will not be required after April 30. Men who operate *x*-ray apparatus or have specialised in certain branches of knowledge—*e.g.*, clinical chemistry—are to be retained, but the decision in all cases rests with the Officers in Command of the hospitals. Men dispensers are not considered indispensable, and even though they be far beyond military age are to be dismissed and their places taken by women. There are not, of course, any women pharmacists to be had for this work, but it is held in the Army that the Apothecaries' Hall Assistants' qualification is good enough for dispensers in military hospitals. The reasons for the new Order are, we are told, to liberate as many men as possible for service in civil employments where their services may possibly be used in place of men of military age, and there is possibly the motive of economy in the administration of the hospitals, as the market value of a dispenser is or should be determined by his or her qualification or experience. At least, that is how the matter is looked at from the civilian's point of view, which does not necessarily coincide with military standards. It is, however, regrettable that the standard of qualification is not better appreciated by the military authorities. In effect, the regulations made under the Pharmacy Acts are at present ignored, the reason being that there are not enough women to fill the positions from which men, most of them registered under the Acts, are being discharged. The fact that the Pharmaceutical Society is silent about the matter puts most people in the same complacent attitude, but the result is not in favour of those who are qualified under the Pharmacy Acts. Apothecaries' assistants are now officially recognised, and there is no getting over that fact. After the war it will take a lot of work to get back to the old point again, especially as the arrangements made for checking Insurance dispensing-charges also ignore in an alarming manner the essence of pharmaceutical qualification.

Higher Prices.

A Statement has appeared in a number of daily newspapers, including "The Times," to the effect that the price of citric acid is now twice as much as it was previous to the war. This is an exaggeration. The *C. & D.* records, as published week by week, showed that in the first week of August 1914 the price was 2*s.* 6*d.* per lb., and it is now 4*s.* It is, of course, quite possible that we shall see still higher values as the result of the present scarcity, which is unprecedented. Since the beginning of the year the position has gradually become acute owing to the difficulty of getting supplies of citrate of lime from Italy, this, of course, being due to the scarcity of tonnage. Judging from statistics, it would appear that supplies of citrate had been coming along fairly freely up to August 1915, as we find from the "Bollettino della Camera Agrumaria" that during the period December 1, 1914, to August 31, 1915, the exports from Italy were 6,712,124 kilos., against 4,957,883 kilos. for the corresponding period of 1914. These are the latest figures available as published by the Camera Agrumaria, and they show that the countries of destination were as follows:

To	Dec. 1, 1913, to Aug. 31, 1914 Kilos.	Dec. 1, 1914 to Aug. 31, 1915 Kilos.
U.S.A.	1,403,659	2,780,608
France	810,863	999,328
U.K.	1,672,494	2,355,315
Germany	601,122	206,091
Austria	192,973	171,966
Taken by Italy ...	1,087,665	1,197,144
	4,957,883	6,712,124

It will be seen that during the above period the supplies for the United States and the United Kingdom were about on a par, whereas Germany and Austria received only negligible quantities. Formerly we were dependent on Germany for fair supplies of citric and tartaric acids, but prices of both products are much higher there than they are here at present, and this stoppage, together with the large export demand from England, principally for Russia, has helped to aggravate the situation. America, fortunately, has been able to sell us very fair quantities, but only to the depletion of her own stocks, and in consequence the price there has risen to a dollar per lb. in dealers' hands, as a large export business has just been arranged with England. Tartaric acid is now approximately four times its normal price; in August 1914 it was 1*s.* to 1*s.* 1*d.*—it is now nearly 4*s.* Formerly it was looked upon as a cheap substitute for citric acid, but both acids are now practically the same price. The cause of the advance, as well as that of cream of tartar and tartar emetic, is the high cost of the crude tartars imported from France, Italy, and Spain, and lack of shipping facilities. As the principal consuming season for citric and tartaric acids is shortly due, it means that higher prices will have to be paid for effervescing salines and spring medicines generally, especially as the prices of other ingredients of these preparations have also advanced.

New Prices for Aerated Waters.

We printed last week all the clauses of the Finance (New Duties) Act, which received the Royal Assent on Wednesday, April 19. The Commissioners of Customs and Excise have not yet finished the regulations which they are to make in regard to aërated waters and cider, but we understand that the 10*s*. annual licence is not required by retailers, although it is being strictly enforced as to manufacturers. Prices of all aërated waters will be raised on Monday, May 1, when the duties come into force. Manufacturers' prices will be at least 1*s*. 9*d*. per dozen 30-oz. syphons more in the case of soda-water, and retailers will need at least 2*s*. per dozen more than their present prices. Larger syphons and bottles of waters will also be advanced in price, and retailers should ensure that they get their money back.

A Note from the Inside.

Before the war broke out we were in the habit of commenting annually upon the Annual Reports (*Arbeiten*) issued by Dr. H. Thoms, professor and director of the Pharmaceutical Institute of the University of Berlin, but the opportunity has since lapsed. The Reports were descriptions of the work done chiefly at Steglitz-Dahlem, and included a section on proprietary medicines and foodstuffs. We now learn from an English source that Dr. Thoms has, in a communication to the Institute, dealt with food-substitutes at present used in Germany. It is said that he gave a lecture on the subject, but we think it is possible that his statements may have been published in the "Arbeiten" referred to. The facts that Dr. Thoms is well known to many British pharmacists, and is a corresponding member of the Pharmaceutical Society of Great Britain, give special weight to the following observations by him on foodstuffs which have been examined in the Institute:

The Institute paid much attention to milk, with the result that out of 209 samples submitted to them over 100 were doubtful and 55 distinctly hurtful. Flour and meal in a large number of cases were found to be moistened and to be milled in unlawful ways. Bread and cakes submitted to them had far more than the lawful percentage of potato-flour, and in cases where butter was employed the butter was of a wholly undesirable and harmful character. Substitutes for flour like straw-flour, flour from certain kinds of wood, "and so on," "have disappointed all expectations," and other efforts at artificial food for cattle have been "of a highly discouraging character." With regard to products largely composed of sugar, such as jams and artificial honey, adulterants were not so widely used; but in fats and oils, such as butter-substitutes, salad oils, and the like, the results of the investigation were simply appalling. Dr. Thoms rather discourages the searching for new sources of oil in trees like the lime and birch. He thinks the supply from this source very limited, and unsuitable for human food. The investigations into albuminous foods—meats, fish, cheese, and sausage—were most unsatisfactory, especially as regards sausages. Some of these, also articles like sardines in oil, did not bear investigation. Dr. Thoms came to the conclusion that with regard to the growing and keenly felt scarcity of food the nation would be wiser in practising moderation in eating than in giving way to the demands of an empty stomach, and consuming so much that cannot be regarded as food.

This is the first commonsense German statement on this pitiful subject by a man in authority which we have observed. A contemporary describes Dr. Thoms as "Germany's greatest authority on the chemistry of food," a distinction which he has never claimed.

Bradford-on-Avon still retains some spelling peculiarities that were common a century or more ago. Mr. R. T. Christopher sends us the following recent orders:

1 oz. Man on a gate of potash.
1*d*. Met a lady's spirit.
1*d*. Fat and lean.
Emma swings—you know the sort I mean, a long ingin rubber swings.

These were verbal orders. The following were written:

2*d*. Q9 (2*d*. quinine supplied). 2*d*. Eucalytus 2*d*., tin of sweet 3,. tin of health salt. Please will you send me a long a lotom for my eyes infermation in it. I have had tow or three day she have got a cold in the pain bowls she was very will you send it back.

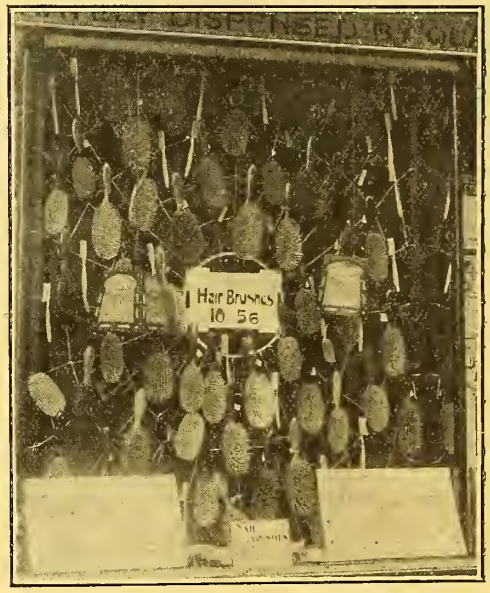
The Art of Window-dressing.

Once upon a time in pharmacy, as some of our older readers may recollect, it was the fashion to reduce the display of goods in the pharmacy-window to a minimum. That was, perhaps, more due to the limitations of the shop-window than to any particular desire on the part of retail druggists to keep their goods out of sight, and it is a notable circumstance that with the development of shop-building and the improved show-windows that shops provide, chemists and druggists have been equal to any other section of retail traders in making the most of their windows. In this connection we recall a statement in the preface of "Chemists' Windows," one of the latest books published by us, in which the usefulness of window-dressing is referred to.

As our readers are aware, "Chemists' Windows" is a book which tells how to do it, and a large part of it is devoted to illustrations and descriptions of actual window-shows. We are giving now similar pictures of some recent windows which exhibit in certain special respects the art of window-dressing. This is a time of war, but we trust that British pharmacists in all parts of the world will not neglect this branch of their business, for as retailers they address the public, and it is the public who judge of the pharmacist by his window-displays.

A Hair-brush Display.

Mr. J. E. Jones, 94 High Street, Mexborough, sends the photograph from which this is reproduced. It is one of Jones Bros.' windows, and was suggested by fig. 170 in "Chemists' Windows" with slight alteration. Mr. Jones



says that as the window-enclosure is divided by mirrors set at an angle, with mirror doors and glass top, it was necessary to make a frame for the "spider's web." "Four pieces of planed deal, 1 in. by 1½ in., were procured from a local carpenter, stained and varnished, and cut to fit with tongue-and-groove joints. The window being wider at front than at back, the frame had to be put together *in situ*. The ring in the centre is made of a piece of wire covered with W.O.W. bandage. Stout white twine is tied from this to the top, bottom, and sides of the frame, and the circular strings are knotted at each intersection to prevent slipping. As the show took practically our whole stock of hair-brushes, it was necessary that they should be easily removed, so we put the errand-boy to bending pins S shape. One hook goes through the string, fastening the price-ticket on the brush, and the other over the web. The "spider's web" is not quite so evident as in your illustration, but it has been the most effective method of displaying hair-brushes which we have tried so far, as proved by sales."

Mr. A. Mortimer (Harrogate) was the originator of the spider's web, so we cannot do better than follow Mr. Jones's adaptation with a fresh Mortimerian effort—viz.,

A Perfume-window.

The window was quite a simple affair (he says), the back being draped with cream curtains and the upper corners decorated with bunches of holly containing plenty of berries. In the centre was an old Jacobean table of unique design. The beautiful polish of the dark oak set off the perfumes.

On the table were placed a large number of bottles of perfume, all the same size, each one standing on a round piece of cotton-wool. On these bottles was placed a sheet of glass, and more perfume and other things of a similar nature stood on this. From the outside it was impossible to tell how the bottles were made to stand apparently on the top of each other. Over it all a showcard had been placed with the words:

IMPORTATION SPECIALE
de Parfums Naturels de Spurway et Cie.
Cannes, France.

The old English lettering in black on a blue-tinted background, surmounted by the British and French flags, gave the card the necessary touch for the present time. The remainder of the window was devoted to perfumes in cases and otherwise at one side and to Notre-Dame eau de Cologne, with a few brightly coloured calendars and a little floral decoration.

A Window that Talked.

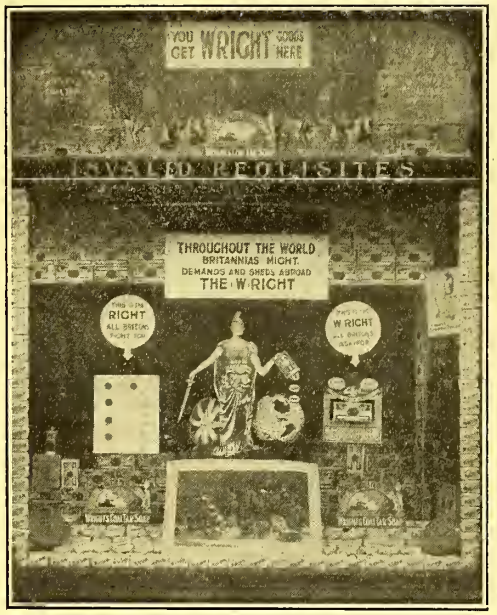
Mr. G. Forbes Johnston, pharmacist, Broughty Ferry, Forfarshire, sends us a photograph of a window that he arranged with the minimum of stock and the maximum of effect. The half-plate photograph of it that he sends us we have reduced somewhat. Mr. Johnston's idea was to have a window that talked by means of cards, and judging by the results he believes that he has succeeded. It may be observed that Forbes' cream, Ophelia balm, Forbes' skin-food, and other allied preparations were displayed in the base of the window. The lattice-work was made of black and white paper, and the foreground of the arrangement was of red, opened so as to relieve the black. The largest show-card at the top of the show was worded as follows:

"Your skin before exposure ought to be rubbed with a non-greasy cream, and after exposure a greasy cream should be applied; then climatic conditions need have no effect on the complexion. We recommend Forbes' cream (non-greasy), Forbes' skin-food (greasy)."

This card was placed close up to the glass. The effect of the window was most striking, and it was even more attractive when seen from the opposite side of the street, while at night, when a red light was used to illuminate, it demanded attention.

Britannia's Sure Shield.

This is the name given by Mr. H. E. Clement, chemist and druggist, High Street, Hampton Hill, to this excellent display of Wright's coal-tar soap. The back of the



display was lined with black material, and the card "The Toast is Britain." Above was the figure of Britannia: the shield on the right was a facsimile of the wrapper, and on the left the world shed tablets of soap. The show-card was a copy of the scrap of paper guaranteeing Belgium's neutrality. In the bottom of the window were piles of soap and other specialities of Wright's.

Medical Gleanings.

Dangers of Ethylhydrocupreine.

Mr. G. H. Oliver ("British Medical Journal," I., 1916, p. 580) calls attention to the dangers of ethylhydrocupreine, which is employed in the treatment of pneumonia. Its effects on the eye are, however, disastrous, and Mr. Oliver recommends that its internal administration should be carefully avoided.

The Uses of Intramine.

Mr. J. E. R. McDonagh, the inventor of intramine and ferrivine (*C. & D.*, April 22, p. 84), states that intramine may also be used in the treatment of lupus, chronic gonorrhœa, and chronic ulcers. Cases of insterstitial keratitis have also been cleared up in a marvellous way. Dr. Harold Spence, in "The Lancet" (I., 1916, p. 861), gives an interesting report on thirteen cases in which intramine was employed with good results.

Permanganate as an Antiseptic.

Dr. A. Lapthorn Smith ("British Medical Journal," I., 1916, p. 581) gives some notes on the treatment of wounds at the Lady Eva Wemyss Hospital, Soissons. Referring to the use of antiseptics, he states that he has absolute confidence in potassium permanganate as an antiseptic. It has the great advantage that it is not a poison if used externally. Dr. Smith employs it in solution, and also in the form of powder. Several striking cases are given in the paper showing the advantages which resulted from the use of potassium permanganate.

Advertising for Chemists.

I Propose to give particulars of a class of advertising which is not generally done by chemists, but which in my business has been productive of excellent results. Our city is served by three daily newspapers, and to reach the people we want it would be necessary for us to advertise in all three. On inquiring the rates, however, I found that the cost would be more than I was prepared to spend on this, for me a new, venture. So I looked around for other methods, and, having discarded the common handbill, resolved to try the effect of circular-letters, each enclosed in an addressed envelope and sent to houses of a rental of not less than 20*l.* per annum. To print the letters a Ronco duplicator was purchased, which prints facsimile typewritten letters from a wax stencil, and a typewriting-machine was also installed to cut the stencils and address the envelopes, the capital expenditure on both being about 30*l.* These letters must be well and cleanly done, as a smudgy, illegible letter is a poor advertisement, and it requires a little experience with a duplicator before clean, sharp copies can be obtained. At first the circular-letters, without any other printed matter, were sent to about 600 addresses. A letter was delivered every month about one or other special preparation. The advertising began to produce such good results that the list was gradually extended until now nearly 5,000 houses are circularised. I also now enclose with every letter a smartly printed folder regarding the article that is being advertised, and this, I find, gives better results still. In addition, when I am advertising, say, my tooth-paste, I devote a complete window-show to that preparation, and this, of course, helps on still more the good work. At Christmas I send out a special Christmas circular, and enclose with each a perfumed sachet-card; this circular, I think, is the most productive of results of any circular sent out in the year.

Do people read our letters and folders? The proof of the pudding is in the eating, and when I tell you that from that one circular alone I sold in one month 2,000 4*d.* tablets of soap, that since I commenced my Christmas trade has nearly trebled, and that my returns have shown a wonderful increase—these facts should be sufficient answer to the question. To be successful with this class of advertising it is, however, essential that the matter for the letter should be right—not too "stiff," but, on the other hand, not "slangy." I try to talk in my letter as I should talk to the customer over the counter—quiet, dignified, "reason why" talk—and it produces results. It is also essential that a reliable man be procured to deliver the circulars, and this has been my greatest difficulty; but now by means of carefully-chosen "check" addresses in different districts I can discover a careless deliverer the first day he is out.

In some future issue I should like to give specimen letters and folders, so that my brother chemists can see the lines I work on; but in the meantime I can confidently recommend the method outlined above for use by any chemist who intends launching out on an advertising campaign.—(129/4.)

Official Galenicals.

Notes for Students on the Methods of Manufacture.

By H. F. Slack, Ph.C.

(*Laboratories of the Standard Tablet and Pill Co., Ltd.*)

(Concluded from *C. & D.*, March 18, p. 44.)

Liq. Ferri Perchlor. Fort.—Iron nails are often used for making this preparation, but wire dissolves more quickly. The solution should be filtered from excess of metal through a pleated paper, the slow filtration resulting from the employment of an ordinarily folded paper allowing the temperature of the liquid to fall sufficiently for deposition of crystals.

Liq. Plumbi Subacet. Dil.—In order to obtain a bright solution, it is essential that recently boiled and cooled distilled water be used. The best result is obtained by allowing the water to cool in a flask fitted with a tube containing soda-lime to absorb the carbon dioxide of the surrounding air, which would otherwise cause precipitation.

Liq. Plumbi Subacet. Fort.—The lead oxide should be sifted into the solution of the acetate. Filtration is expedited by using a pleated paper fitted in a funnel with a stem sufficiently long to dip beneath the surface of the filtrate. Precipitation due to the carbon dioxide in the air may be prevented by covering the funnel with filter-paper damped with a weak solution of potassium hydroxide.

Liq. Potassæ.—The amount of pure potassium hydroxide in commercial hydrate varies considerably, so that the resulting solution must be standardised.

Mist. Ferri Co.—The myrrh must be reduced to a very fine powder and sifted through muslin if necessary. The solution of ferrous sulphate should be added last, just before closing the bottle.

Mist. Olei Ricini.—The official method is better than the old process and difficult to improve upon. Complete emulsification must be effected upon the first addition of the cinnamon-water, otherwise no amount of trituration during the subsequent additions of the aromatic waters will provide a permanent emulsion.

Mucilago Acaciæ.—Rapidity of solution is effected by selecting only small, clean pieces of the gum and suspending them in a muslin bag within the water.

Pil. Aloes.—In this, as in the majority of official pills, a suitable amount of excipient is prescribed, or "a sufficient quantity." As the quantity required is usually found to be less than that prescribed, the weights of the resulting masses vary according to conditions. It is important, therefore, that the compounder should ensure that the variation in different masses is not so great as to be therapeutically appreciable. It is advisable that pill-masses containing aloes, especially pil. aloes et ferri, be made rather softer in consistence than is usual.

Pil. Phosphori.—Great care is necessary in obtaining the required weight of phosphorus. This should be cut under water and rapidly dried with filter-paper immediately before dissolving in the carbon disulphide. Manipulation must be very quick, and any tendency of the phosphorus to excessive oxidation may be counteracted by mixing the mass in ether-vapour, obtained by adding a few drops of that liquid from time to time to the mortar-contents. The mass should be rolled into a ball, in which form it may be exposed with comparative impunity during the rolling and cutting of portions of it.

Pil. Quininæ Sulphatis.—The official method is needlessly complicated. It is better to mix the three powders together, add the glycerin, and mass quickly. In rolling this and all white pill-masses put a piece of white paper on the pill-machine.

Pulv. Sodæ Tart. Effervescens.—Seidlitz powders are frequently ordered to be of double strength, which means that the amount of sodium potassium tartrate is doubled.

Suppositoria.—When calculating the quantity of the vehicle required to produce a definite number of suppositories, the approximate specific gravity of the medicament prescribed should be considered, in order to estimate the volume it will occupy when mixed with the basis. The following approximate figures give an idea of the variations exhibited by different classes of substances:

Of light powders and fats, 1 grain is equal to 1 grain of oil of theobroma.

Two grains of many mineral salts and 3 grains of bismuth subnitrate correspond to 1 grain of oil of theobroma.

Five grains of many vegetable extracts is equivalent to 3 grains of oil of theobroma.

It is customary to make an excess of the mixture, but see that the medicament for, say, thirteen suppositories does not get into twelve only.

Suppos. Glycerini.—It is well to note the proportions of the ingredients, which are 70 per cent. glycerin, 14 per cent. gelatin, and 16 per cent. water, as observance of the parts contained in a hundred of the finished preparation often saves much misdirected calculation. The gelatin should be the ordinary variety in sheets without the outer edges, cut in small pieces, placed in a weighed dish, soaked in sufficient water to cover it, and after five minutes pour off the surplus water, and heat until liquid. The dish with contents is now weighed, the requisite amount of glycerin added, and evaporation commenced, avoiding incorporation of air during stirring in the later stages. Suppository-moulds made to hold, say, 60 gr. of oil of theobroma accommodate about 75 gr. of this glycerin-mass. The finished suppositories may be prevented from adhering by smearing with oil or soft paraffin.

Syrupi.—When prepared with heat syrups should be shaken occasionally during and after cooling to avoid dilution of the upper part of the liquid by condensed water.

Syrup. Ferri Iodid.—Calculation of quantities to be used often presents difficulty, as it is not always observed that the amount of iodide formed depends upon the weight of iodine taken, and not upon the iron, which is ordered in excess. The official directions should be adopted, and the iron wire, if at all rusty, should be well cleaned with emery-cloth.

Syrup. Ferri Phosph. cum Quinin. et Strychnin.—The strychnine must be in a very fine powder, in order to dissolve quickly in the acid mixture.

Syrup. Tolutanus.—Candidates sometimes neglect to cover the vessel for heating the balsam and water, as officially directed, and that may result in official rejection.

Ung. Gallæ cum Opio.—In order to obtain a perfectly smooth ointment, rub the opium-powder with a little water before incorporating with ung. gallæ.

Ung. Hydrarg. Nitratis.—The preparation of this ointment is rendered easier by heating together the lard and olive oil in the earthenware jar prescribed, thus avoiding a fall of temperature by transferring the mixture. The limits of temperature directed in the B.P. monograph must be strictly observed, as deviation in either way results in obtaining an unscientific product, as when the temperature is too high a dark-coloured preparation is obtained, while when too low the gas evolved during the reaction is partially retained, and a frothy ointment results.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1916, p. 365.

(*From the "Trade-marks Journal," April 19, 1916.*)

"Atol," "Neotol," "Unitol," and "Vitol"; for photographic chemicals (1). By Claus & Co., Ltd., Clayton, Manchester. 371,652/3/4/5.

"Savetas"; for all goods (1). By B. K. Rigby, 8 Hurst Street, Liverpool. 371,833.

"Yadil"; for chemicals (2 and 3) and for perfumery, etc. (48). By B. C. Clement, 19 Sicilian Avenue, London, W.C. 371,510/11/12. (Associated.)

"Sporbrocation"; for pharmaceutical preparations (3) and for perfumery, etc. (48). By E. Daltroff, 10 Rue de la Paix, Paris. 371,420/1. (Associated.)

"Antilassar"; for a medicine (3). By P. Smith, 22 Bloomsbury Street, W.C. 371,496.

"Ethoform"; for a local anæthetic (3). By C. McAuley, 41 Plungington Road, Preston. 371,523.

Sketch of fanciful Chinese animal; for all goods (2, 3, and 48). By J. H. Richards, 81 Szechuen Road, Shanghai. 372,113/14/15.

"Septoid"; for ointment (3). By L. Weihrauch, 78 Widnes Road, Widnes. 371,785.

"Ivanhoe"; for food substances (42). By J. Travers & Sons, Ltd., 119 Cannon Street, E.C. 368,307.

Circular device with words "The 20 Fields"; for all goods (42). By Naamlooze vennootschap Asparagus, Wychen, b/Nijmegen, Holland. 370,381.

"Fortis"; for all goods (42). By Paul Bros., Dock Road, Birkenhead. 371,228.

"Our Boys" and picture of soldiers and sailors; for food substances (42). By J. & J. Beaulah, 28 Bargate, Boston, Lines. 371,852.

"Cowpos"; for food substances (42). By H. Becker, 105 Upper Thames Street, E.C. 371,855.

"Joy" and picture of Pierrette; for goods (47). By C. Thomas & Bros., Ltd., Bristol. 370,630. (Associated.)

"Lasholine"; for a toilet-preparation (48). By T. L. Holland, Chaseley, Park Road, Westcliff-on-Sea. 369,314.

"Bird of Paradise" and picture of same; for soap (48). By J. Crosfield & Sons, Ltd., Warrington. 371,836. (Associated.)

"Amon"; for a toilet-preparation (48). By Scrubb & Co., Ltd., Lambeth, S.E. 371,627.

(*From the "Trade-marks Journal," April 26, 1916.*)

"Bitugraphite"; for all goods (1). By A. H. Hamilton & Co., 160 Bardowie Street, Possilpark, Glasgow. 371,887. (Associated.)

Label bearing words "Motor-Vim," the New Health-food for Motors, etc.; for a chemical composition (1). By E. E. Bosca and J. G. Quinn, jun., 257 Broadway, New York. 371,478.

"Talba"; for pigments (1). By Yate Chemical Works, Ltd., Yate, near Bristol. 371,956.

"Austana"; for medicinal chemicals (3). By Doyle & McEvoy, 283A Newtownards Road, Belfast. 371,539.

"Valeronal"; for a remedy for nervous affections (3). By Société Anonyme la Lithia, 21 Avenue de l'Opéra, Paris. 371,771.

"Aldemint"; for medicinal chemicals (3). By Southall Bros. & Barclay, Ltd., Birmingham. 372,093. (Associated.)

"Sassia"; for all goods (3). By F. E. Coe, 144 Albany Street, London, N.W. 372,210.

Triangular device, with letters "F E F"; for metallic sodium and potassium (5). By Aktieselskabet Fredriksstad Elektrokemiske Fabriker, Fredriksstad, Norway. 371,907. (Associated.)

"Agol"; for all goods (11). By Gould & Co., 62 Mount Pleasant, Liverpool. 371,786.

"Mamette"; for all goods (11). By Evans Sons Lescher & Webb, Ltd., Liverpool. 372,111.

"Empress"; for photographic paper, etc. (39). By Ilford, Ltd., Ilford, E. 371,718.

"Silikoda"; for goods (47) and for perfumery, etc. (48). By H. P. Morgan & Co., Frog Island, Leicester. 372,183/4.

"Karium"; for perfumery, etc. (48). By M. F. Pratt, 67 and 68 Bolsover Street, W. 372,187.

"Teal," with picture of same; for perfumery, etc. (48). By G. W. Goodwin & Son, Manchester. 372,224.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

The Secret Session.

The holding of a secret Session to consider the recruiting problem has been the outstanding event of the week in both Houses of Parliament. There has been no precise precedent within living memory. Parliament had adjourned for Easter until Tuesday, April 25, when each House met. The proceedings in the House of Commons were brief, and strangers withdrew when Mr. Asquith, the Prime Minister, called the Speaker's attention to their presence. The question was put, but no division was called for. The House adjourned at eleven o'clock, and the Speaker issued a report of the proceedings.

American Laundry-soaps (Importation).

Sir John Lonsdale, M.P., asked the President of the Board of Trade, on April 20, if a permit for importation will be given to an agent for American laundry-soaps who has paid the manufacturers for a supply to enable him to meet orders from customers in this country taken before March 25.—Mr. Runciman replied that the permit will be given only if the payment was made in America before the date mentioned.

Income-tax and Co-operative Societies.

The Chancellor of the Exchequer has informed the Association of Chambers of Commerce of the United Kingdom that, as at present advised, the Government does not propose to alter the existing arrangements with regard to income-tax of co-operative societies, and he does not think that any useful purpose would be served by a deputation. The Council expressed great dissatisfaction with the communication, and they are of opinion that the decision is inequitable and to be regretted, and that the Chancellor be so informed.

Poisonous Drugs and Unqualified Chemists.

Mr. Lewis Haslam (M.P. for Monmouth Boroughs) asked the President of the Board of Trade, on Tuesday, April 25, whether poisonous drugs are supplied to transports by unqualified chemists; if so, in view of the dangers involved owing to this practice, will he cause its discontinuance; and will he say whether the practice indicated is permitted in any other European country.—Mr. Runciman replied that he is making inquiries with regard to the points raised in the question, and will communicate the result to his hon. friend in due course. In the meantime, he should be glad if he would give any definite information he has with regard to the supply of drugs in the manner indicated.

Mr. Glyn-Jones and Tuberculosis Discharges.

Mr. W. S. Glyn-Jones, M.P. for Stepney, on April 25, asked the Comptroller of the Household, as representing the National Health Insurance Commissioners, if he can say how many men have been discharged from the Army and Navy during the past year because they were suffering from tuberculosis; and in what proportion of such cases have the Insurance Commission been able to provide immediate accommodation in sanatoria.—Mr. Roberts replied that the first part of the question should be addressed to the War Office and the Admiralty. Since the special arrangements for the provision of immediate residential treatment for discharged tuberculous soldiers and sailors came into force the several Committees have had approximately 2,450 cases reported to them by the War Office and Admiralty as cases in which residential treatment is essential, and he is not aware of any case in which accommodation has not been made immediately available.

Associations' Winter Session.

Other meetings are reported under Insurance Dispensing Reports.

Exeter.—The Exeter Association of Pharmacy met on April 18, Mr. Eric Lemmon in the chair. Mr. Rowsell explained the position in regard to the sale of glycerin, and a resolution was passed asking, among other things, that "toilet-preparation" should be clearly defined. The recruiting problem was also discussed.

Glasgow.—At the meeting of the Chemists' Association, held on April 27, an amendment to Article 6 of the constitution was submitted, and the accounts for the year, which ended on March 31, showed the receipt of 78*l.* 14*s.* from subscriptions, 3*l.* for letting of rooms, 45*l.* from other sources. The expenditure amounted to 135*l.* 2*s.* 8*d.*, or a little over 8*l.* more than the income.

Huddersfield.—A meeting of the Huddersfield Chemists' Association was held on April 18, Mr. Vincent Shaw in the chair. Mr. Walshaw, who is the delegate to the Local Associations Conference, discussed the questions to be brought before the Conference so as to get the views of the Association. A discussion also took place on Local preparations in view of a forthcoming local exhibition.

London (E.).—A meeting of the East London Pharmacists' Association was held at Limehouse on April 13, Mr. A. R. Keith (President) in the chair. The continuance in office of the present Pharmaceutical Committee was approved. Alterations in the retail price-list were made. Mr. Goode explained various matters relative to the forthcoming Local Associations Conference.

London (N.).—The last fireside social of the session was held on April 19 at the residence of Mr. and Mrs. Curtis, 41 Quernmore Road, Stroud Green. An impromptu discussion arose, on the suggestion of Mr. Skinner, regarding the work of Pharmacists' Training Corps, and several members gave their experience. Refreshments were served and a musical programme was gone through, in which Miss Beauman and Messrs. Jenkin and Keith joined. A vote of thanks was moved by Mr. Skinner to the host and hostess.

Manchester.—A Council-meeting of the Manchester Pharmaceutical Association was held on April 19, when Mr. William Kirkby, M.Sc., was elected *President*. A vote of thanks was given to Mr. W. H. Delve, the retiring President. Mr. F. W. Bates and Mr. W. Lane were re-elected *Vice-Presidents*, Mr. A. J. Pidd *Treasurer*, and Mr. T. Miller *Secretary*. The agenda of the Local Associations Conference was considered.

Northampton.—A meeting of the Pharmacists' Association was held recently, Mr. H. Wilson (Vice-President) in the chair. Mr. North was elected a delegate to the Local Associations Conference. A general discussion took place relative to the market prices, and it was decided to issue a revised minimum price-list.

Portsmouth.—A meeting of the Pharmacists' Association took place on April 26, Mr. T. O. Barlow in the chair. Mr. A. B. Sparrow (Secretary) was welcomed back after his long and serious illness, and the opportunity was taken of presenting him with a suite of office furniture, the roll-top desk being suitably inscribed. Mr. Sparrow suitably acknowledged the gift. Mr. W. R. Atterbury was appointed delegate to the Local Associations Conference, and considerable regret was expressed that Mr. T. A. White is about to retire from the Pharmaceutical Council.

Staffordshire.—The annual meeting of the Staffordshire Pharmaceutical Association was held at Stafford on April 13, Mr. Weston Poole in the chair. The report of the Secretary (Mr. Fowke) dealt largely with Insurance dispensing matters. It was stated that the amount of chemists' accounts for 1915 was 13,176*l.* 6*s.* 11*d.*, the number of prescriptions 462,673, and the average cost per prescription 6.83*d.* The checking of the prescriptions under the new Tariff is to cost approximately 200*l.*; hitherto it has cost the chemists nothing. The report was adopted. The report of the Treasurer (Mr. Averill) showed that there is a balance of 44*l.* 6*s.* 4*d.* in hand, and it was resolved to invest 40*l.* of this in Exchequer bonds. The annual subscription of members was fixed at 1*s.* The officers for the ensuing year were then elected as follows: *President*, Mr. Weston Poole, J.P.; *Vice-President*, Mr. Jacks; *Committee*, re-elected, with addition of Mr. Trotter; *Treasurer*, Mr. Maurice Averill; *Secretary*, Mr. Fowke. The President paid a special tribute to the good work done by the Secretary, and the meeting agreed that it had been well done. Sympathetic reference was made to the illness of Mr. Garland, Cannock, the first President of the Association. Resolutions were drafted for submission to the Local Associations Conference.

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Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

With special reference to the supply of medicines and appliances.

ENGLAND.

Birkenhead.—The recruiting of chemists was discussed at the meeting of the Insurance Committee on April 20 on a report by the Clerk as to the steps that had been taken to claim exemption for chemists who are deemed indispensable. It was decided to request the Panel Committee to continue the present agreement not to use "Rep. mist." in prescriptions.

Birmingham.—The Panel Committee has informed the Pharmaceutical Committee that when bandages are ordered without specification of length or kind white open wove should be supplied in 6-yard lengths, except as regards 1-in. bandages, which should be supplied in 4-yard lengths.

Burton-on-Trent.—The Medical Benefit Sub-Committee reported to the Insurance Committee, on April 13, regarding the assistants who are needed for maintaining an adequate dispensing-service. The Insurance Committee decided to support applications for exemption in the cases of assistants who it had been agreed by the Military Representative should be retained. The Finance and General Purposes Sub-Committee showed that there has been a decrease of 960 prescriptions for the last quarter of 1915, compared with the corresponding quarter of 1914.

Cambridge.—At the meeting of the Insurance Committee, on April 15, the Joint Drug Sub-Committee reported that the average cost of prescriptions per patient during the quarter ended December 31, 1916, varied from 4.8*d.* to 11.6*d.* Some comment was made as to the cause of such wide difference.

Essex.—The Insurance Committee met on April 25, when the Finance Sub-Committee recommended that 404*l.* 9*s.* 3*d.* be allotted to the Pharmaceutical Committee for their expenses for the year ended December 31, 1915. The recommendation was adopted. The Medical Benefit Sub-Committee reported that Mr. C. H. Marston (Walthamstow), Mr. S. E. Dowdy (Dovercourt), and Mr. C. P. Appleyard (Shoeburyness) had been added to the chemists' panel, and that Mr. J. Bull (Buckhurst Hill) had resigned therefrom. The Sub-Committee reported regarding the steps taken in the matter of the recruiting of panel chemists. It was resolved to inform practitioners and chemists that the former will not in future be at liberty to requisition from chemists supplies of emergency dressings, but must provide them under Clause 12 of the practitioners' agreement, the Committee making direct payments for these. An additional fee of 3*d.* on "after hours" prescriptions was agreed to, Mr. Goode explaining that it was desired to keep Insurance dispensing within reasonable hours. The General Purposes Sub-Committee recommended that the agreement for the joint pricing of prescriptions submitted by the Commissioners be adopted subject to such modifications as may be decided upon by the Joint Committee and approved by the Commissioners. This was agreed to. The Committee agreed to the payment on account of 300*l.* to the Pharmaceutical Committee for administrative expenses.

Kesteven.—At the meeting of the Insurance Committee on April 15 Mr. J. S. Prior, Ph.C., was appointed representative on the Joint Committee controlling prescription-pricing. The use of "Rep. mist." prescriptions is to be continued under restrictions laid down by the Commissioners, and assent was given to an "after-hours" fee of 6*d.*, the prescriptions to be marked "Urgent" by the practitioner. Mr. Spyvee, chemist and druggist, Sleaford, asked to be allowed to withdraw from the panel as his assistant has been taken for Army service. Mr. Spyvee is to be asked to postpone the determination of his contract.

London.—A meeting of the Insurance Committee was held on April 27. The Finance Sub-Committee sanctioned the application by the Pharmaceutical Committee for 1,000*l.* for administrative expenditure for the year 1915. The Special (War Emergency) Sub-Committee of the General Purposes Sub-Committee was entrusted with the question of recruiting of panel chemists in place of the Medical Benefit Sub-Committee. The last-named Sub-Committee recommended the surcharging of a panel practitioner to the amount of 2*l.* 6*s.* 11*d.* on account of extravagant prescribing. Payment on account to chemists for April is to be made at the rate of 5*d.* per script. The Pharmaceutical Service Sub-Committee reported that an investigation had been made of a complaint by an insured person against

a firm of panel chemists. This referred to a refusal of the chemists to dispense a prescription with a February date upon it which was presented on March 1. The Sub-Committee found that the chemists' refusal was due to a misapprehension, and called attention to the fact that the Regulation refers to prescriptions dispensed during the month, and that the date of the prescription is immaterial so long as it was dispensed during the month in respect of which the statement of account is submitted.

Manchester.—The Manchester and Salford (Joint Prescriptions) Committee have just issued a letter to all the panel chemists in both areas, drawing attention to the desirability of coming to an agreement, on the part of pharmacists in both areas, on certain formulæ and points raised by the Joint Pricing Bureau. The Pharmaceutical Committees have come to the following decisions:

1. That lin. alba vel stimulans, which will be included in the revised local Formulary which will be issued shortly, should be dispensed whenever lin. alba or lin. stimulans is prescribed. These two terms are to be used synonymously, and the terms lin. universale and lin. commune will also apply to the same preparation. It will be priced per ingredient value and bear a 2.8*d.* dispensing-fee. The formula is given as

Liq. ammon.	1 oz.
Ol. rapii	3 oz.
Ol. terebinth.	2 oz.

2. In the event of pil. aperiens being ordered, pil. coloc. et hyoseyam., B.P., gr. 5, are to be supplied.

3. The formula for lot. plumbi c. spirit. should be the same as lot. plumbi evaporans, B.P.C., but must contain 20 per cent. of methylated spirit in place of rectified spirit. The B.P.C. formula must be used when "lotio plumbi c. opio" is ordered.

4. When "a bandage" is ordered (as often occurs) without any further specification by a doctor, a W.O.W. bandage 2 in. wide and 4 yards long should be supplied; when a finger-bandage is ordered a 1-in. wide and 3 yards long should be supplied.

5. When "chlorodyne" is prescribed, chlorodyne, B.P.C., should be dispensed.

Urgent Fees.—The arrangement for the payment of an extra dispensing-fee of 6*d.* in addition to the usual dispensing-fee for prescriptions marked "Urgent" remains as hitherto.

Portsmouth.—Panel chemists have received an intimation regarding the additional fee for "urgent" prescriptions, which is now part of the current Drug Tariff (*C. & D.*, April 8, p. 48).—The Insurance Committee on April 27 had before them the report of the Medical Benefit Sub-Committee dealing with extravagant prescribing during 1914. The Panel Committee, which had investigated the cases, found that the five doctors had not prescribed extravagantly. The report on the Drug Fund for 1914, which has been sent to chemists, shows that the chemists' accounts amounted to 5,865*l.*, and that the amount available in the Drug Fund was 5,195*l.*

Rutland.—At the meeting of the Insurance Committee on April 20, it was stated that the medical men are doing their best to effect economy in prescribing. Dr. Wallace expressed the hope that part of the "floating sixpence" would be available for the doctors.

Sheffield.—A meeting of the Pharmaceutical Committee was held on April 26, Mr. H. G. Williams in the chair. No further applications for exemption from military service are to be put forward for consideration of the Commissioners, as suggested in Circular P.S. 24 (9). The Secretary reported that he had sent a cheque for 31*l.* to the Pharmaceutical Society for checking prescriptions for the quarter ended March 31. The settlement of the 1914 accounts is causing much dissatisfaction, as the advice credit sent to the Insurance Committee only provides for a payment of 3,600*l.* less than 1913, instead of 3,497*l.* more, based on the number of insured persons. The Committee decided that the Secretary should join with the Insurance Committee and the Panel Committee in a deputation to the Commissioners to press the case for a much larger credit being allowed. The Secretary reported that the Pricing Bureau had allowed lin. alb. according to the B.D.H. price-list, and up to April 4 all poison-bottles have been paid for.

Smethwick.—A report presented to the Insurance Committee states that for 1914 the amount available in the Drug Fund was sufficient to pay 91.255 per cent. of the chemists' accounts, with the exception of those who accepted the emergency settlement in August 1915, the proportion paid in their case being 91½ per cent.

Southend-on-Sea.—At the meeting of the Insurance Committee on April 11, it was reported that 103*l.* 6*s.* had been paid to panel chemists, this including the balance due on scripts for January, and an advance for February.

Suffolk (E.).—At the meeting of the Insurance Committee on April 25, statistics were given of the cost of prescriptions. From these it appears that the average cost in 1915 of 63,355 scripts was 7.5*d.* (total. 1,980*l.* 18*s.* 3*d.*), a slight decrease on the previous average. The Clerk submitted the names of nine chemists whose application for exemption from military service is to be recommended.

SCOTLAND.

Dundee.—The Clerk to the Insurance Committee has informed all panel chemists and doctors that the Scottish Insurance Commissioners wrote him recently in regard to proprietary articles which are still prescribed, calling attention (1) to the prescribing of exceptional quantities of drugs and medicines at one time and, not infrequently, with no directions; (2) to the great amount of labour caused, not only to the Checking Bureau, but to all concerned. The matter was considered by the Dundee Committee on April 9, and, on the recommendation of the Panel Committee, it resolved that the prescribing of proprietaries and vaccines be discontinued on and after April 22. The Clerk has accordingly informed chemists and others that no proprietary medicines, undisclosed remedies, or vaccines may, at the expense of the Drug Fund, be prescribed by doctors for panel patients, or, if prescribed, be dispensed by chemists. Mr. G. J. Lindsay (Hon. Secretary of the Pharmaceutical Committee) has stated in a circular that this is an absolute prohibition of proprietaries, and that one proprietary ingredient dispensed will mean that the whole script will be disallowed. In the case of an ointment prepared with vaseline or a mixture with a few grains of heroin hyd., Mr. Lindsay says, "Underline the proprietary article and send the script back to be rewritten."

Fifeshire.—A special "whip" has been issued by the Fifeshire Insurance Committee, at the request of the Checking Bureau, requesting the sending-in of all prescription-forms within a day or two of the ending of each month. It is pointed out that this is quite easy, as chemists are not now required to price their forms. The moral is "early returns, early payments." At a meeting of the Kirkcaldy Committee on April 21, a letter from the Commissioners was read, in which it was stated that the cost of drugs in the district is above the normal average of 2*s.* per insured person. Attention was particularly called to certain prescriptions for two patients, and the Committee explained that one was a case of Bright's disease and the other chronic epilepsy. The Commissioners also complained that too many secret remedies and proprietaries are used, but the Bureau's report stated that in July 1915 only 8*s.* worth more was prescribed than in May and June. The Committee concluded that these matters were not relevant to their claim for a grant from the Abnormal Drug Fund.

Glasgow.—The Insurance Committee, on April 19, discussed the question of "repeat" prescriptions, upon which conflicting opinions have been expressed. It was resolved to adhere to the present system.

WALES.

Merthyr Tydvil.—A meeting of the Pharmaceutical Committee was held on April 19, Mr. V. A. Wills in the chair. The Secretary reported that the January scripts as checked by the Checking Bureau showed a credit balance of 7*l.* 12*s.* 5*d.*, and that the Insurance Committee has decided to accept the amounts as checked by the Bureau. A Sub-Committee, consisting of Messrs. Wills, Lloyd, and Owen, was appointed to meet the Military Representative regarding the recruiting of assistants.

Veterinary Notes.

By a M.R.C.V.S.

Cats' "Chicken-pox."

Cats are occasionally affected with a skin-disease resembling chicken-pox in the human subject, the head and throat being principally affected. There are numerous swellings, falling off of the hair, accompanied by intense itch. The treatment is light diet, sulphur and carbolic ointment, or any alkaline lotion.

Heaving or Straining in Ewes.

This condition refers to cases where there is extra and severe straining after expulsion of the contents of the uterus at lambing. It is due to the ewe being in too high a condition, or through an injury inflicted while giving birth to the lamb. By some it is considered infectious, but while there is doubt on this point, it can be stated with confidence that the affection is sympathetic. It invariably terminates in metritis, or inflammation of the womb, if not attended to immediately. When first seen give tinct. opii ʒiv.-ʒvj. in ol. lini q.s. and dress the womb with antiseptic liniment. This may require to be repeated several times every two or three hours. Isolate the animal and, if possible, let her be attended by one person only. Reserve the buckets, etc., for the case.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., April 27, 6.30 p.m.

The greater part of the week since our last report has been under holiday influence, and inactive markets have ruled. The scarcity of citric acid has brought about an advance of 6*d.* per lb. in citrates. Bergamot and orange oils are dearer, and lemon is on the firmer side, as is star-anise oil. Montreal potashes and milk-sugar are dearer. Acacia gum, pimento, sulphonal, and turpentine are more or less cheaper.

Higher	Firmer	Easier	Lower
Bergamot oil Caraway-seed Citrates Linseed oil Orange oil Potashes Squill	Anise oil, star Coconut oil Cotton-seed oil Lemon oil Milk-sugar Soy	Gum acacia Sulphonal	Hydrastis (N.Y.) Pimento Turpentine

Cablegrams.

Bergen, April 27.—The Norwegian cod-fishing continues poor, and the market for finest new medicinal oil is unsettled, the nominal quotation being 700*s.* per barrel.

New York, April 19.—Business in drugs is quiet. Opium, peppermint oil, and menthol are unchanged. Sweet oil of birch has been reduced to $2.85. Taraxacum-root is easier at 28c., and hydrastis (golden seal) is lower at $4.40. Senega is easier at 44c. Belladonna-leaves and elecampane are both lower at $1.75 and 12c. per lb. respectively.

New York, April 26.—Business in drugs is quiet. Tolu balsam is easier at 37c., and Oregon fir balsam has been reduced to 75c. American saffron is higher at $2.00. Curaçao aloes in cases is lower at 11½c. per lb. Senega is firmer at 45c. Cartagena ipecacuanha has been reduced to $2.60, and arnica-flowers have advanced to 85c. per lb.

Acetic Acid.—With reference to the note in our issue of April 1 (p. 43) we understand that none of the Canadian output will be available for export.

Acetyl-salicylic Acid is in fair demand at from 47*s.* 6*d.* per lb. upwards.

Aconite.—An arrival of 21 bales of Spanish is reported; from France, Japanese is offered at 35*s.* c.i.f.

Amidol is scarce at 32*s.* 6*d.* per lb.

Ammonia Sulphate.—Quiet. London is 16*l.* per ton net naked at works for 25-per-cent. ammonia for prompt delivery; Hull prompt (24-per-cent.) is 16*l.* 12*s.* 6*d.*, Liverpool is 16*l.* 15*s.*, and Leith is 17*l.* per ton, less 3½ per cent. in bags f.o.b.

Anise Oil (Star).—Sellers ask the advanced rate of 3*s.* 6*d.* per lb. c.i.f. for "Red Ship" brand, and 3*s.* 6*d.* is also wanted on the spot.

Aniseed.—The quotation is unchanged at 55*s.* per cwt. for good Spanish on the spot, with a slow demand.

Benzoates.—Both *acid* and *soda* are firmer and scarce at 16*s.* per lb.

Bergamot Oil is dearer at up to 16*s.* per lb. c.i.f.; spot price is 16*s.* A Sicilian advice dated April 15 reports a further advance in prices, with a very strong tendency.

Canary-seed is quiet at 77*s.* 6*d.* to 79*s.* per quarter for fair to good Morocco.

Caraway-seed has again advanced considerably in price. The quotation is given variously from 85*s.* to 90*s.* per cwt. for fair Dutch on the spot.

Celery-seed is offered at from 145*s.* to 150*s.* per cwt.

Chamomiles.—New crop French are quoted at 150*s.* per cwt.

Cinchona.—The unit for the manufacturing-bark tendered at Amsterdam on February 24, 1916, has been definitely fixed at 10.91c., and for that tendered on March 29 at 11.95c. per half-kilo. Further particulars of the auction to be held at Amsterdam on May 5 show that the 672 packages (451 bales and 221 cases) pharmaceutical bark weigh 37,452 kilos., with a quinine-sulphate content of 990 kilos. It consists of 37,340 kilos. Succirubra and 112 kilos. hybrid, 18,041 kilos. being root-bark.

Citrates have been advanced by 6*d.* per lb., owing to the rise in citric acid. Potash is now 5*s.* 8*d.* in 28-lb. lots, the list-price being 5*s.* 9*d.*; sodium is 4*s.* 1*d.* in 28-lb. lots, the list-price being 4*s.* 2*d.*; and ferri et ammon. cit. is 4*s.* 1*d.* in 28-lb. lots, the list-price being 4*s.* 2*d.* Ferri quin. cit. is unchanged at from 1*s.* 2½*d.* to 1*s.* 5½*d.* per oz. as to quantity and packing.

Citric Acid is very firm and scarce at 4*s.* per lb.

Cloves.—Quiet, with fair Zanzibar offering at 7¼*d.* on spot and 7*d.* c.i.f. d.w. for March-May shipment. June-August delivery has been sold at 7½*d.*

Cod-liver Oil.—With prices beyond the reach of buyers no interest is shown on this market in purchases to arrive. Last year's oil on the spot is obtainable at rather less than 500*s.*, and 1914 oil at 475*s.*; a cable quotation this week for finest new Lofoten oil was 825*s.* c.i.f., and in other directions prices are from 670*s.* upwards. Our Bergen correspondent writes on April 17 that the cod-fisheries are now closing everywhere outside Finmarken, and after the Easter holidays the catch will be continued on the Finmarken coast only. Last week gave very small results. The official report up to April 15 was as follows:

	1913	1914	1915	1916
Catch of cod (millions) ...	40.6	59.9	49.1	40.5
Yield of e.l.o. (heet.) ...	25,800	45,000	40,500	48,500
Liver for "raw" oils (heet.)	5,400	8,500	7,200	4,200

To-day's quotation for prime non-congealing cod-liver oil is from 730*s.* to 735*s.* per barrel c.i.f., and we see no possibility of a noteworthy reduction during the near future.

Colchicum-seed is offered at 6*s.* per lb.

Coriander-seed is firm at 18*s.* per cwt. for wormy Morocco, 19*s.* to 20*s.* for ordinary sound, and 22*s.* to 22*s.* 6*d.* for good bright.

Cream of Tartar is firm at 200*s.* for 98-per-cent. and 202*s.* for 99 to 100 per cent. powdered.

Cumin-seed is firm at about 100*s.* per cwt. for old-crop Morocco. New crop is offering at 100*s.* per cwt., c.i.f. terms, for June-July shipment.

Fennel-seed is selling at 32*s.* 6*d.* per cwt. for ordinary East Indian.

Fenugreek-seed shows no further advance, there being still sellers at 15*s.* per cwt. for Morocco on the spot.

Formaldehyde.—To arrive 40-per-cent. by volume is offered at 80*l.* to 85*l.* per ton c.i.f.

Gentian is still very scarce, 90*s.* being asked.

Glucose is very scarce, with small lots of American liquid offering at 35*s.* on spot.

Gum Acacia is easier, Kordofan sorts offering on the spot at 70*s.*, and for May shipment at 60*s.* per cwt. c.i.f.

Hexamine remains firm at from 4*s.* 9*d.* to 5*s.* per lb., with the lower price paid.

Ipecacuanha.—The *Araguaya* from Monte Video has arrived in Liverpool with 230 bales Matto Gresso.

Lemon Oil is firmer at 4*s.* 6*d.* spot and at from 4*s.* to 4*s.* 2*d.* c.i.f. A Sicilian advice dated April 15 states that the pressing season can be considered as finished, only a few pressers continuing operations on a very moderate scale. Consequently any demand which comes in goes before those holders who, as already reported, are not willing to part with their goods until they can get better prices. During the last fortnight the demand has been sufficiently important, especially locally, and those who were in need have had to pay higher prices than last quoted. Existing stocks are fairly important, but this cannot have the usual effect on the market this season, because, owing to the low prices which have ruled, holders can easily carry over their stocks to next season. An important decline in foreign exchange also affects present quotations.

Lime-juice.—The value of fine pale West Indian is about 3*s.* per gal.

Linseed is steady at 85*s.* to 90*s.* per quarter for good qualities.

Liquorice-root.—The value of natural is from 50*s.* to 55*s.*, and of cut decorticated 102*s.* 6*d.* per cwt.

Menthol.—Fair arrivals of both menthol and oil have taken place, the spot-value of Kobayashi-Suzuki being 13*s.* 3*d.*

Milk-sugar.—Good Dutch still remains very scarce, with 120*s.* per cwt. asked on spot, and for American 105*s.* is quoted.

Oils (Fixed).—*Linseed* is dearer at 39*s.* 6*d.* in pipes and 40*s.* 6*d.* in barrels on the spot; April 40*s.* 6*d.* *Cottonseed* is firmer at 44*s.* 6*d.* for crude in pipes, 48*s.* 6*d.* for refined

in pipes, and from 54*s.* to 55*s.* for sweet refined in barrels—all on spot. Ceylon *Coconut* is firm at 61*s.* in hogsheads and 59*s.* in pipes, both on spot; Cochin is 60*s.* to 62*s.* on spot, and London pressed is 53*s.* to 54*s.* Ordinary brown crude naked *Rape* is scarce and nominal; British refined in barrels is 54*s.* to 55*s.*; Japan in cases is at 43*s.* 3*d.* c.i.f. afloat. *Soya* oil is quiet at 35*s.* 6*d.* for Manchurian in cases afloat, and 37*s.* 6*d.* for April-June; Hull (spot) extracted is 40*s.*, and crushed 40*s.* 6*d.* Lagos *Palm* is steady at 48*s.* spot, and in Liverpool 42*s.* 3*d.* is quoted.

Orange Oil.—Sicilian is dearer at from 10*s.* to 11*s.* 6*d.* per lb. c.i.f. A Sicilian advice dated April 15 reports that the small remaining stocks of the previous production has made it possible for holders to obtain their demands.

Phenacetin is quoted at from 67*s.* to 68*s.* per lb.

Pimento is rather cheaper owing to large arrivals, spot sellers quoting 3¾*d.*

Potashes.—The spot price for first Government brand of Montreal is now 185*s.* to 190*s.* per cwt., and in Liverpool 200*s.* is quoted.

Quicksilver.—The exports from Spain during the twelve months ended December 31 were as follows:

	1913	1914	1915
Kilos.	1,489,731	916,469	1,121,008
Pesetas	8,194,000	5,041,000	6,163,000

The output in California in 1915 was 12,450 flasks of 75 lb. each, against 11,373 flasks in 1914; value in 1915 was $1,068,210, against $557,846 in 1914.

Quillaia.—Sellers in Liverpool quote 38*s.* 3*d.* per cwt. for spot supplies.

Quinine.—Business has not yet opened, but with increasing prices paid for bark at each Amsterdam tender, the tendency is, if anything, towards the firmer side.

Salol.—Values are from 45*s.* 6*d.* to 47*s.* per lb.

Sandalwood Oil remains very scarce on spot, and only obtainable in limited quantities at from 33*s.* to 35*s.* for English drawn. American oil for July shipment in 5-cwt. lots is offering at 33*s.* per lb., but in the present congested state of the docks and shipping, both in America and here, would probably not be available before September.

Shellac.—Quiet, with retail sales, fair TN Orange on spot offering at from 92*s.* to 93*s.* per cwt.

Soda Hyposulphite.—Ordinary crystals are quoted at 16*l.* and small crystals at 17*l.* per ton in barrels.

Squill.—With large American orders having been placed in London, from 60*s.* to 70*s.* is wanted for good white, and 50*s.* for brown. No arrivals have taken place recently.

Sulphonal is on the easy side at 37*s.* 6*d.* per lb.

Tartaric Acid is dearer at 3*s.* 11*d.*, which has been paid.

Turpentine is 1*s.* 6*d.* per cwt. lower, American closing at 45*s.* 3*d.* on the spot.

Wax, Vegetable.—Japanese remains firm on spot, holders asking 74*s.* to 75*s.* per cwt., and to arrive, April-May shipment, 72*s.* 6*d.* c.i.f. is quoted.

Witch Hazel.—Liquid extract is quoted at about 10*s.* per gal.

American Drug and Chemical Markets.

New York, March 31.

Only a routine business appeared as a rule during the month, with a distinct stiffening in the values of a variety of drugs and chemicals and a continued scarcity.

Acetanilide continues very scarce, as no relief can be given by manufacturers, owing to heavy contracts placed some time ago. Second-hands are asking as high as $2.60 per lb.

Acetphenetidine.—Sales have been made at $25.

Althæa-root.—The principal holder has advanced the price for cut to 65c. per lb.

Antipyrin.—Holders are asking $55 per lb.

Balsams.—The demand for South American *Copaiba* continues active at 70c. per lb., and holders intimate that $1 will soon be asked. Canada *Fir* is unchanged at $5. Oregon *Fir* is firmer. Supplies have diminished, and dealers now generally ask 80c. to 85c. *Peru* has been revised downward to $4 in cases, while *Tolu* has been shaded to 37c.

Belladonna-leaves.—Owing to the scarcity on spot, holders have advanced their price to $1.75 and $2.

Bromides.—A few second-hand lots have temporarily eased the market.

Caffeine.—Very scarce, with sales at $16 for the pure.

Citric Acid continues in good demand, and although makers have not advanced their prices, they are not making any deliveries. Present quotations are 75c. per lb., and it seems to be the general opinion that when the spring demand sets in prices will advance much higher. (Since advanced to 95c. to $1.)

Coumarin is dearer at $9 per lb.

Formaldehyde.—For quantity up to 14c. has been paid.

Ipecacuanha.—Several parcels have arrived, which have a tendency to reduce prices. Sales have been made as low as $2.60 per lb.

Opium continues in the same position, without any change in price. Sales on domestic orders are comparatively small, but there is a steady increase in the export business.

Quinine is quoted at 75c. in second-hands. American manufacturers show no inclination to advance their schedule.

Resorcin is very scarce at $20 per lb.

Tartaric Acid.—Makers have raised their price to 65c. in barrels for powdered, but second-hands ask 78c. to 80c.

Calcutta Freights.

One of the chief explanations of the causes in the increased cost of drugs is the rise in freights—*e.g.*, the freight from Calcutta to London on nux vomica on March 27 was 9*l.* per ton of 16 cwt., compared with 27*s.* 6*d.* per ton of 16 cwt. in March 1914. The following table shows the "index numbers" of the rates of outward maritime freights of certain staple articles from Calcutta at the end of February 1916 compared with the corresponding period of January 1916 and February 1915 (rates at the end of July 1914 are represented by 100):

	Feb. 1915	Jan. 1916	Feb. 1916
Linseed to London (*viâ* Canal) ...	333	693	773
Rapeseed ,, ...	312	636	708
Tea ,, ...	96	136	136
Shellac ,, ...	260	500	620
Linseed to Liverpool	333	—	—
Saltpetre to New York	304	—	—
Linseed ,, ...	294	—	—
General average	299	573	648

Arrivals of Chemicals, Drugs, etc.

The following is a selection of arrivals during the period April 19 to 25, inclusive, in the English ports named. Goods in transit are not included. The figures refer to the packages—*e.g.*, cases, bags, barrels, boxes, kegs, etc. The weights, when known, are specified:

To London.

Acetic ac. 5 blns.
Aconite (Sp.) 21
Agar-agar 343
Almond oil (It.) 26 cs., (N.Y.) 27
Alum 336
Annatto-seed 200
Ants' eggs 122
Arachis oil 300 cks. 105 brls. 3,500 cs.
Barytes sulph. 1,100
Belladonna (Fr.) 3
Birdlime 43
Bismuth ore 98
Calc. carbide 1,445
Camphor 385
Camphor oil 215
Canary-seed 2,884
Cardamoms 123
Cassia 337
Cassia oil 20
Castor oil (E.I.) 1,321 cks.
Chemicals, medicines, etc. (N.Y.) 697
Chloral hyd. (N.Y.) 10
Cinchona (E.I.) 23
Cinnamon 459
Cochineal 255
Cod-liver oil (R'dam) 50 cs.
Copra 7,709
Cubebs 16
Cumin-seed 148
Dextrin 125
Dragon's-bl. 5
Drugs (U.S.A.) 69 cs., (Fr.) 18
Essent. oils (N.Y.) 63 cs., (China) 20
Euphorbium 9
Farina 250
Formaldehyde (N.Y.) 23
Ginger (Jam.) 1,173 bgs. 75 brls.
Glycerin 115 dms.
Ground-nuts 1,340 t. 844 bgs.
Gum copal 25
Gum damar 50
Gum kauri 960
Gum sandarac 71
Gums, undescribed (Morocco) 16, (Fr.) 30 cs.
Honey (Jam.) 334 cks. 31 ½-cks., (R'dam) 100, (Fr.) 23
Indigo (E.I.) 326
Kola (W.I.) 5
Lavender-leaves 9
Lime-juice 29 pns. 8 cks.
Linseed (Mor.) 136
Liquorice-juice (Fr.) 40
Menthol 200 cs.
Menthol and oil 20
Milk-powder 60
Milk-sugar (N.Y.) 11, (Amst.) 80, (N.Z.) 100
Mint oil (Jap.) 420 cs.
Nux vom. 3,013
Olive oil (It.) 180 cs., (Sp.) 24 brls., (Fr.) 41 cs.
Orange oil (Jam.) 43 cs.
Orange-peel 19
Pepper 3,008
Perfumery (Fr.) 34
Pimento 14,001
Pot. carb. (Sev.) 26, (Norw.) 18
Pot. iodid. 50
Quinine (Amst.) 29
Rape oil 18,250
Roots, barks, herbs, etc. (Fr.) 31, (N.Y.) 26
Sal acetos 150
Senna (Tv.) 211
Shellac 350
Soda caustic (R'dam) 55
Soda hypo. 18
Soda salicyl. (N.Y.) 20
Soya oil 8,750
Sticklac 85
Tart. ac. (Fr.) 16 brls. 10 cs., (N.Y.) 37 brls.
Vanilla 5 cs.
Wax, bees' (Mor.) 68, (Egypt) 12, (E.I.) 24
Wax, veg. 250

To Liverpool.

Aniline colours (Fr.) 75
Annatto 88
Arsenic (Seattle) 1,444 brls.
Belladonna (Fr.) 10
Benzol (N.Y.) 29
Castor-seed 27,758
Cochineal 23
Copra 152
Cotton-seed 3,390 t.
Cream tartar 10
Drugs (N.Y.) 1,410, (Fr.) 2,384 cs.
Honey (Frisco) 30, (Jam.) 100, (N.Y.) 502, (Fr.) 230 cks.
Iodine 1,081
Ipecacuanha (M. Video) 230
Leaves, dried (Fr.) 32
Logwood 190 t.
Magnesite 1,000 t. 6,150 bgs.
Niger oil 400
Olive oil (Sp.) 25 cs.
Palm-kernels 31,723
Palm oil 874
Pimento 2,545
Quebracho ext. 45,000
Quillaia 210
Roots (Bahia) 10
Soda caustic 51
Soda nitrate 141,512
Tartar 90
Wax, bees' (Rio) 558
Wax, carnauba 87

To Manchester.—Calc. acetate 700; calc. carbide 2,000; cream of tartar 16; fig syrup 1,800 cs.; formic acid 60; lemon oil 68; lead acetate 40; lithopone 200; oxalic acid 28; soda caustic (N.Y.) 500 dms. *To Hull.*—Calc. carbide 1,500; castor-seed 29,074; dextrin 200; linseed 8,731 bgs. 2,960 t.; olive oil (Sp.) 568 oks. *To Folkestone.*—Drugs (Fr.) 114 pkgs.; perfumery (Fr.) 40 pkgs.

Correspondence

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Hydrocyanic Acid.

Mr. Wm. B. Cowie, F.C.S., Edinburgh, writes in reply to Mr. D. B. Dott's letter in our issue of April 15, chiefly questioning the accuracy of the application of "double cyanide" to $NaAg(CN)_2$.

Pricing Insurance Prescriptions.

Sir,—We have just received our statement of account from the Insurance Committee, and on this is the deduction made for pricing, presumably for the first quarter. This works out in our case at 1*s.* 5*d.* per 100 items, so that our 0.8*d.* establishment-charge immediately suffers a depreciation of nearly 20 per cent., and becomes 0.63*d.* As we are in an area which so far has been favourably administered, it would be interesting to know the experience of less fortunate districts. Truly, as we learned in our younger days, a point is that which has no magnitude.

Yours faithfully,

Pointate. (196/8.)

[We presume that our correspondent means *checking* the prescription pricing.—Editor.]

U.S. Soap-duties.

Sir,—I wish to correct a statement made in a letter to you from the Crown Perfumery Co., in your issue of March 16, to the effect that the U.S. duty on perfumed soap is 50 per cent., and on household soap 20 per cent. The duty on perfumed toilet-soaps is 30 per cent., and on unperfumed toilet-soap 10 per cent. There is no such classification as "household" soaps, but I import a laundry soap, on which the duty is 5 per cent. My five years' experience of selling English perfumes and toilet-goods in this country reveals a good demand for English soaps; in fact, I cannot get enough of the toilet-soaps I handle, and consequently have ceased to push them, and restrict their sale to repeat orders. There is an especially good field here for English shaving-soaps, which should, however, be packed in more attractive containers.

Yours truly,

New York. Arthur J. Morison.

"Festina Lente."

Sir,—When we were asked to sign our agreements with the C.I.C. for 1916, it was not *Festina lente*. It fills me with indignation to think that I have been foolish enough to follow the advice of those who should be our trusted leaders and sign my agreement before we were given an opportunity to understand the working of it. Pharmacists are now money-lenders, but in their wisdom or foolishness lend their money for naught, except it be that they value their professional services at less than 2.8*d.* "Xrayser II." says "that the panel chemist may just as well fill a prescription for cod-liver oil as for anything else." Surely it is advisable to lend as little as we possibly can on such terms, and not be filling bottles with cod-liver oil, etc., where the dispensing-fee is reduced from 2.8*d.* to 1.8*d.* The sooner our stock of cod-liver oil and the higher-priced chemicals runs dry, the more profitable it will be for us. If ever I felt inclined to "festina lente" in paying my annual pharmaceutical subscription so as to help recoup myself for the loss which I am incurring daily in supplying goods at less than cost price at 0 per cent. for the space of four months (how much longer no one seems to know), *it is now.*

G. F. E. (200/58.)

Soothers and Packing-cases.

Sir,—"Xrayser II." says that "if some doctors condemn, others allow the use of soothers." If the word "condemn" is put in capitals and the word "allow" in italics; if the fact be borne in mind that in our upside-down arrangement of life doctors (and, incidentally, ourselves) do not flourish by keeping people well, but by cutting pieces off them when they are ill, and that none of us is too altruistic, then I have not much fault to find with his statements, though I have with his conclusions. I disagree with the dictum that "at any rate the responsibility of the harm done by soothers does not belong to us." I say that at least a portion of it does, and the main argument and point of my first letter was that we as chemists could do a public service by discontinuing the sale of the offending article, educating many people who are quite ignorant on the matter, and showing that we have a public spirit beyond our immediate self-interest. Many chemists make sacrifices in and for public and philanthropic work. Here is a place where their voice and action may be particularly effective. The babies deserve well of us anyhow, and sometimes need to be saved from their friends.

A propos of another letter (excellent in its way) in your current issue, one is tempted to put the question as to what is the relative value of our packing-cases and other people's babies! The over-worried mother is another story and needs other remedies, but two evils do not make a good.

Faithfully yours,

Rugby. J. A. Bayes.

Dispensing Difficulties and Notes.

A Salicylate Mixture.

Miriam E. Hanna, The Downs Sanatorium, Sutton, asks "if it is possible to make a clear mixture with the following prescription:

Sod. salicyl.,
Sod. bicarb. ... ... aa. gr. xx.
Aquam ad ... ... ℥ss.

Will a saturated solution of one salt dissolve an equal quantity of another salt? I should be glad of your remarks on this point, as it is the prescriber's theory, but not mine."

[A clear mixture cannot be made from this prescription. The whole of the salts will not dissolve in the water. When the salicylate is dissolved first we find that the mixture dissolves 14 gr. of the bicarbonate at the shop temperature, 55° F. The Pharmacopœia states that the solubility of sodium bicarbonate is 1 in 11. The prescription calls for 1 in 12. Even when the bicarbonate is dissolved, the salicylate throws much of it out of solution again. A saturated solution of one salt will not dissolve the quantity of another salt which the water unsaturated will dissolve *if the two salts contain the same base.* If the salts contain different bases the full quantity of each may be taken up, dependent on the solubility of the salts resulting from the interaction. The mixture should just be compounded as written and dispensed with a "Shake" label. It is typical of many that occur in everyday practice.]

Legal Queries.

H. J. (199/62).—It is doubtful if carbolic oil (1 in 40) comes within the description "Liquid preparations sold as carbolic, or carbolic acid, or carbolic substitutes, or carbolic disinfectants, containing not more than 3 per cent. of phenols," as stated in the Order in Council, October 11, 1912. Registered chemists who sell the oil without regarding it as poison are certainly justified by the Poisons Schedule provisions, and the Order was not intended to cover carbolic oil. You are on the safe side in selling carbolic oil in a poison-bottle and labelling it "Poisonous."

D. P. (199/63).—It was distinctly wrong on the part of your employé to accept delivery of the box from the railway company, and this ought to have been advised on your behalf (you being responsible) as soon as the error in delivery became known. Your assistant should have informed you about the matter without delay. The railway company have been well advised in asking you to pay the value of the contents, as you, being the principal, are responsible for the abstraction. You are entitled to recover from the assistant what you have to repay the railway company, but we think the company should compromise the matter with you, seeing that they have been so long in dealing with it.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," April 14, 1866.

Gossip.

We have to record the decease of Mr. William Southall, of Birmingham. He was one of the founders of the Pharmaceutical Society, and for some years a member of the Council.

Mr. Edward Mackmurdo has retired from the firm of Davy, Mackmurdo & Co., manufacturing and wholesale chemists and druggists, 100 Upper Thames Street, London. The firm now consists of Messrs. Davy, Routledge, and Yates. [Now in The British Drug Houses, Ltd.]

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„ 626.	¼ lb. Fuller's Earth	4½d.	„
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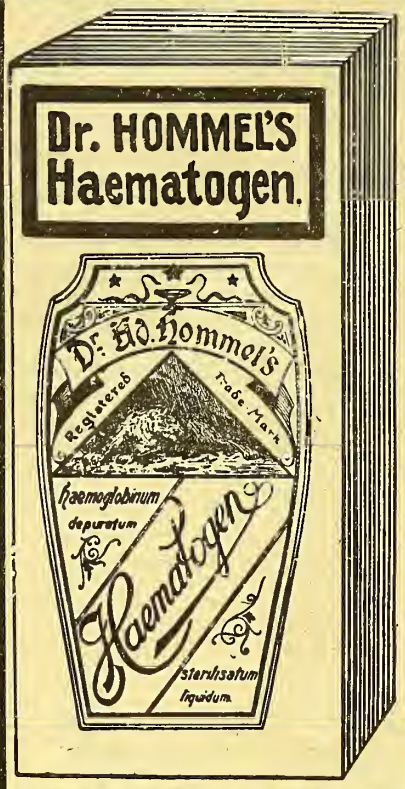

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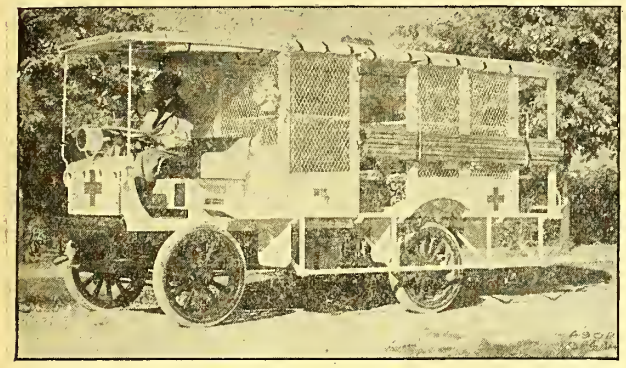

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Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this Paper on Terms as below.

N.B.—We would draw attention to the fact that all prices quoted herein are subject to alteration without notice, and that where stocks are limited preference is always given to our regular customers.

Fol. Sennæ Tinnev., 1 cwt. @ 8½d. lb.; 7 lbs. @ 9d. lb.; Englisb Ground, 56 lbs. @ 11½d. lb.; 7 lbs. @ 1/0½ lb.
Formaldebyde, 40%, 4 cwt. barrels @ cwt.; 7 lbs. @ 1/2 lb.
Fuller's Earth, fine powder or lump, 5 cwt. @ 8/3 cwt.; 1 cwt. @ 9/6.

Gallæ Cærul. Pulv., 7 lbs. @ 1/6 lb.
Gamboge, English Ground, 7 lbs. @ 4/8 lb.; 1 lb. @ 5/– lb.
Ginger, English Ground, 1 cwt. @ 60/– cwt.; 7 lbs. @ 8d. lb.
Gingerine, Extra, 5 lbs. @ 13/– lb.; 1 lb. @ 13/6.
Glycerin Opt. D.D., 1.260 P.B., 56 lbs. @ cwt.; 12 lbs. @ lb.
*Glycerin, Acid. Boric, P.B., 6 lbs. @ 2/1 lb.
* ,, Acid. Carbolic, P.B., 6 lbs. @ 1/10 lb.
* ,, Acid. Tannic, P.B., 6 lbs. @ 2/5 lb.
,, Belladon. B.P.C., 6 lbs. @ 6/– lb.; 1 lb. @ 6/6 lb.
*Glycerin. Boracis, P.B., 6 lbs. @ 1/6 lb.
* ,, Pepsin. Acid, P.B., 1 lb. @ 3/3 lb.
* ,, Plumbi Subacet., P.B., 6 lbs. @ 1/11 lh.
Guaiacol Carb., 1 lb. @ 85/– lb.
Guaiacol, pure, 1 lb. @ 55/– lb.
Gum Acaciæ sorts. 3 cwt. @ 82/– cwt.; 1 cwt. @ 85/– cwt.; 7 lbs. @ 10½d. lb.; English Ground Powder, No. 1, 1 cwt. @ 140/– cwt.; 7 lbs. @ 1/6 lb.; No. 2, 1 cwt. @ cwt.; 7 lbs. @ 1/2 lb.
Gum Benzoin, Sumatra, 84 lbs. @ 1/8 lb.; 7 lbs. @ 1/10 lb.
Gum Catechu Nig., English Ground, 1 cwt. @ 85/– cwt.; 14 lbs. @ 9½d. lb.
Gum Guaiaci, 1 cwt. @ 1/3 lb.; 28 lbs. @ 1/5 lb.
Gum Juniper, 14 lbs. @ 1/– lb.
Gum Thus Elect., 2½ cwt. @ 48/– cwt.; 28 lbs. @ 52/– cwt.
Gum Tragac. Elect., English Ground, 7 lbs. @ 11/– lb.; 1 lb. @ 11/6 lb.

*Heading (Frothing Ess.), 5 lbs. @ 1/3 lb.; Heliotropine, 1 lb. @ 16/– lb.
Hellebore, White, Powder (Foreign Ground), 1 cwt. @ 50/– cwt.
Hexamethylenetetramine, 7 lbs. @ 5/– lb.; 1 lb. @ 5/4 lb.
Honey, Pale Set, Jamaica, 28 lbs. @ 60/– cwt.; Californian, ½ cwt. @ 55/– cwt.; 7 lbs. @ 8d. lb.
Hydrargyrum, P.B., 10 lbs. @ 5/6 lb.; 1 lb. @ 5/10 lb.; Ammon., 28 lbs. @ lb.; c. Creta. 28 lbs. @ 2/6½ lb.; Iodid. Rub. 28 lbs. @ 16/2 lb.; Oxid. Rub., 28 lbs. @ 8/– lb.; Perchlor., Lump, 28 lbs. @ 7/7 lb.; Subchlor. 28 lbs. @ 7/4 lb.; Sulpb. c Sulph., 28 lbs. @ 7/– lb.; 7-lb. quantities 1d. lb. extra. 3-lb. quantities, 2d. lb. extra; 1-lb. quantities, 3d. lb. extra.
Hydrokinone, 1 lb. @ 42/6 lb.

Ichthyol Ammon. chemical equivalent: Ammon-Ichthosulphonas, B.P. Codex, 7 lbs. @ 7/– lb.; 1 lb. @ 7/6 lb.
*Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/8 lb.
* ,, Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/7 lb.
* ,, Buchu Conc., 1 to 7, 6 lbs. @ 2/7 lb.
* ,, Calumbæ Conc., 1 to 7, 6 lbs. @ 1/1 lb.
* ,, Caryoph. Conc., 1 to 7, 6 lbs. @ 1/3 lb.
* ,, Cascarilla Conc., 1 to 7, 6 lbs. @ 1/7 lb.
* ,, Cinchonæ Acid, 1 to 7, 6 lbs. @ 1/10 lb.
* ,, Gentianæ Co., 1 to 7, 6 lbs. @ 1/3 lb.
* ,, Quassiæ Conc., 1 to 7, 6 lbs. @ 11d. lb.
* ,, Rhei Conc., 1 to 7, 6 lbs. @ 1/9 lb.
* ,, Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 2/10 lb.
* ,, Senegæ Conc., 1 to 7, 6 lbs. @ 2/7 lb.
* ,, Valerian Conc., 1 to 7, 6 lbs. @ 1/7 lb.
Insect Powder, Opt., English Grd., closed flowers, 7 lbs. @ 3/– lb.; Englisb Ground, ½ closed flowers, 4d. lb. less; Foreign Ground, 28 lbs. @ 1/6 lb.
Iodoform Pulv. B.P., 7 lbs. @ 20/6 lb.; 1 lb. @ 21/– lb.
Iodum, resub. B.P., 7 lbs. @ 18/9 lb.; 1 lb. @ 19/3 lb.
Isinglass, Brazil, fine cut, 7 lbs. @ 3/9 lb.; 1 lb. @ 4/– lb.; Russian finest, 7 lbs. @ 10/6 lb.; 1 lb. @ 11/– lb.; Ribbon or Sheet, 7 lbs. @ 2/9 lb.; 1 lb. @ 3/– lb.

Kamala, 7 lbs. @ 1/8 lb.; sifted, 2/– per lb.

Lapis Pumicis, fine powder, 2 cwt. @ 12/6 cwt.; 7 lbs. @ 2d. lb.; lump, 2 cwt. @ 18/– cwt.; 7 lbs. @ 3d. lb.
Licorice Juice, 4 & 2-oz. Sticks, 1 cwt. @ 135/– cwt.; 28 lbs @ 1/3½ lb.; 7 lbs. @ 1/4½ lb.
*Lin. Aconiti Meth., 5 lbs. @ 1/9 lb.; 1 lb. @ 2/– lb.
* ,, Bellad. Meth., 5 lbs. @ 8/3 lb.; 1 lb. @ 8/6 lb.
,, Camph. P.B., 40 lbs. @ 1/0½ lb.; 9 lbs. @ 1/1½ lb.
,, Sapo Meth., 9 lbs. @ 9½d. lb.
,, Tereb. Acet., B.P., 5 lbs. @ 1/1 lb.
Linseed c. Oil, Crushed, 3 cwt. @ 28/– cwt.; 1 cwt. @ 28/6 cwt.
*Liq. Ammonii Acetatis Conc. 1–7, 6 lbs. @ 1/5 lb.; 1 lb. @ 1/8 lb.
* ,, Ammon. Aromat., 6 lbs. @ 10d. lb.
* ,, Antim. Chlor. Pure, 8 lbs. @ 10d. lb.
* ,, Arsenicalis, B.P., 7 lbs. @ 5d. lb.; 1 lb. @ 8d. lb.
* ,, Arsenii Hydrochlor., P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
* ,, Bismuth, P.B., 6 lbs. @ 1/7 lb.
* ,, Copaiba Buchu et Cubeb, 5 lbs. @ 3/– lb.; 1 lb. @ 3/3 lb.
* ,, Easton, p.s. 1–3, B.P., 1 lb. @ 3/5 lb.
* ,, Ferri Dialysatus, 6 lbs. @ 1/2 lb.
* ,, Ferri Iod. p.s., 1–7, 1 lb. @ 8/– lb.
* ,, Ferri Perchlor. Fort., P.B., 7 lbs. @ 6d. lb.
* ,, Ferri Phosph. Co. p.s., 1–7, 7 lbs. @ 1/7 lb.
* ,, Hamamelidis, B.P., 6 lbs. @ 1/3 lh.
* ,, Hypophosph. Co., p.s., B.P.C., 1 lb. @ 3/10 lb.
* ,, Iodi Fort, B.P., 5 lbs. @ 7/– lb.
* ,, Morphinæ Acet. or Hydrochlor., P.B., 6 lbs. @ 4/2 lb.
* ,, Opii Sed., 5 lbs. @ 6/3 lb.
* ,, Plumbi Subacet., P.B., 7 lbs. @ 7d. lb.
* ,, Pruni Virg. p.s. 1–7, 5 lbs. @ 2/9 lb.
* ,, Rhœados pro Syr., 1 to 7, 5 lbs. @ 2/8 lb.
* ,, Rhei, p.s., 1–7, 6 lbs. @ 2/4 lb.
* ,, Santali Co., 1 lb. @ 4/6 lb.
* ,, Sennæ Dulc. 6 lbs. @ 1/8 lb.
* ,, Sennæ pro Syr. 1–7, 6 lbs. @ 3/4 lb.
* ,, Strychninæ Hyd. P.B., 6 lbs. @ 1/11 lb.
* ,, Tolut. pro Syr. 1–7, 6 lbs. @ 1/9 lb.
* ,, Trinitrini, B.P., 1 lb. @ 7/– lb.
Lithia Carb. P.B., 28 lbs. @ 6/– lb.; 7 lbs. @ 6/3 lb.; 1 lb. @ 6/6 lb.
,, Citras, B.P., 28 lbs. @ 6/– lb.; 7 lbs. @ 6/3 lb.; pulv., 3d. lb. extra.
Lycopodium, 7 lbs. @ 8/9 lb.

Mag. Calc. Levis, 1 lb. @ 2/4 lb.
Mag. Calc. Pond., 7 lbs. @ 2/1 lb.; 1 lb. @ 2/3 lb.
Mag. Carb. Pond., 7 lbs. @ 11d. lb.
Mag. Carb. Levis., 1 cwt. @ 60/–; 7 lbs. @ 7½d. lb.
Mag. Cit. Gran., 28 lbs. @ 1/– lb.; 6 lbs. @ 1/1 lb.
Mag. Sulph., fine druggists', B.P., 1 cwt. @ 19/6; 28 lbs. @ 2½d. lb.
Manna, Flake, 14 lbs. @ 6/3 lb.; 7 lbs. @ 6/6 lb.; 1 lb. @ 6/9 lb.
Menthol, dry white cryst., 60 lbs. @ 13/9 lb.; 5 lbs. @ 14/3 lb.
*Mist. Sennæ Comp., B.P., 20 lbs. @ 8d. lb.; 6 lbs. @ 9d. lb.
Morphinæ Acet. Hydrochlor. or Sulph., Pulv. B.P., 25 oz. @ 14/– oz.; 16 oz. @ 4/3 oz.; 8 oz. @ 14/6 oz.; 1 oz. @ 15/3 oz.; Pur. Præcip. Bimeconate or Tart., 1 oz. @ 19/– oz.
Morphinæ Diacetyl., 4 oz. @ 22/– oz.; 1 oz. @ 22/6 oz.; Hydrochlor., 6d. per oz. less
Myrrh, Gum, English Ground, 28 lbs. @ 1/8 lb.; 7 lbs. @ 1/10 lb.

Naphthalene, Flake, 7 lbs. @ 7½d. lb.
Nux Areca, 1 cwt. @ 55/– cwt.; 7 lbs. @ 7d. lb.; powder, English ground, @ 80/– cwt.; 7 lbs. @ 9½d. lb.

Ol. Amygdal. Ang., B.P., 9 lbs. @ 3/1 lb.
Ol. Anethi Ang. B.P., 1 lb. @ 17/6 lb.
Ol. Anisi, E.I., 66 lbs. @ 3/6 lb.; 16⅔ lbs. @ 3/10 lb.; 4½ lbs. @ 4/3 lb.; 1 lb. @ 4/6 lb.
Ol. Aurant., 12 lbs. @ 9/6 lb.; 1 lb. @ 10/3 lb.; not guaranteed absolutely pure.
Oil of Bays, genuine W.I., 1 lb. @ 14/6 lb.
Ol. Cajuput., B.P., 21½ oz. bots @ 4/9 lb.
Ol. Campbor. Essent., Wbite, 40 lbs. @ 1/1 lb.; Brown, 40 lbs. @ 120/– cwt.
Ol. Caryopb. Ang., B.P., 9 lbs. @ 5/8 lb.; 4½ lbs. @ 6/– lb.
Ol. Cassiæ, 16 lbs. @ 4/6 lb.; 6 lbs. @ 4/9 lb.
Ol. Cinnam., 1 lb. @ 32/– lb.; 1 oz. @ 2/3 oz.
Ol. Citronellæ, 9 lbs. @ 2/3 lb.
Ol. Coco Nucis, finest White, 80 lbs. @ 66/– cwt.; 40 lbs. @ 68/– cwt.
Ol. Eucalypt., P.B., 1 cwt. @ 2/8 lb.; 28 lbs. @ 2/9 lb.; 9 lbs. @ 2/10½ lb.
Ol. Geranii Gall. Opt., 1 lb. @ 28/– lb.; 8 1-oz. bots. @ 2/3 oz.; 1 oz. @ 2/6 oz.; Turc., 1 lb. @ 12/6 lb.; 4 ozs. @ 15/– lb.
Ol. Gynocardiæ, 5 lbs. @ 4/– lb.; 1 lb. @ 4/3 lb.
Ol. Juniperi Ligne Exot., 9 lbs. @ 2/6 lb.
Ol. Lavand. ab Flor., 5 lbs. @ 13/6 lb.; 1 lb. @ 14/6 lb.
Ol. Menth. Pip. English, 5 lbs. @ 35/6 lb.; 1 lb. @ 37/6 lb.; Hotchkiss original bots., 21 oz. each @ 15/9 lb.; 6 bots. @ 15/6 lb.; 18 bots. @ 15/– lb.; American, 20 lbs. @ 10/– lb.; 4½ lbs. @ 10/– lb.; 1 lb. @ 11/3 lb.; Japanese, 60 lbs. @ 4/7 lb.; 5 lbs. @ 4/9 lb.
Ol. Morrbuæ, 1915, finest non-freezing, 2-gall. tins @ per gall.
Ol. Myrbanc, 9 lbs. @ 3/2 lb.
Ol. Myristicæ, 7 lbs. @ 5/– lb.; 1 lb. @ 5/6 lb.
Ol. Nucis Pallid., 2 gall. tins @ 6/11 gall.
Ol. Olivæ, P.B., good yellow, guaranteed pure, 45 gall. barrels @ 5/2 gall.; 2 gall. tins @ 6/6 gall.
Ol. Origani Rub., Coml., 28 lbs. @ 2/– lb.; 9 lbs. @ 2/3 lb.
Ol. Peach Kernel (so-called), 1 cwt. @ 1/6½ lb.; 56 lbs. @ 1/7½ lb.; 9 lbs. @ 1/9½ lh.
Ol. Pulegii B.P., 5 lbs. @ 6/6 lb.; 1 lb. @ 6/10.
Ol. Ricini Alb. Opt. Medicinal, 44 lbs. @ 97/6 cwt.; 9 lbs. @ 1/– lb.; for export, 1 cwt. drums recommended.
Ol. Rosmarini, Coml., 28 lbs. @ 1/9 lb.; 9 lbs. @ 2/– lb.; B.P., 9 lbs. @ 2/7 lb.; 1 lb. @ 2/11 lb.
Ol. Santal. Flav. Ang. B.P., 5 lbs. @ 34/– lb.; 1 lb. @ 35/– lb.
Ol. Sassafras, genuine, 28 lbs. @ 3/10 lb.; 1 lb. @ 4/5 lb.
Ol. Theobromæ, B.P., 8-oz. tabs., 28 lbs. @ 2/9 lb.; 7 lbs. @ 2/11 lb.
Ol. Wintergreen, Artificial, 5 lbs. @ 17/– lb.; 1 lb. @ 17/6 lb.
Opium Turc. B.P., 14 lbs. @ 36/6 lb.; 3 lbs. @ 37/6 lb.; 1 lb. @ 38/6 lb.; powder, 6d. lb. extra.

*Minimum quantity at these prices; Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.

NOTE.—Only terms Net Cash with Order without discount, or orders accepted through London Merchants or Bankers. Goods carriage forward; all packages free; Export cases extra.

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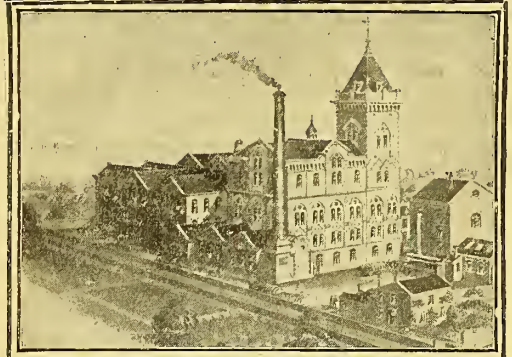
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TARTARIC ACID
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THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, APRIL 29, 1916.

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.** Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done **PROVIDED the MONEY is TELEGRAPHED** at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. **Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London."** (Three words counted as two.)

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THE PUBLICITY IT PAYS TO PAY FOR.

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Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

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2.—LONDON, W.C.—Good-class Business, established many years; returns £2,000, present rate less; the Business is known to us and we can recommend it; price £950.

3.—ISLINGTON (Busy Main Road).—Ready-money Business; capable of extension; returns between £900 and £1,000; *good profits, above the average*; very moderate price will be accepted, say about £325.

4.—CITY BUSINESS, very old-established; returns about £20 per week under unqualified management; good opening for N.H.I.; for a prompt sale vendor will accept £200.

5.—UPPER THAMES (Good Middle-class Locality).—Retail and Dispensing Business; returning under management £650 (about), *with clear income of* £200; double-fronted shop, with good house attached; price £450.

6.—LONDON, N. (Distant Suburb).—Ready-money Business; returning under manager £1,400 to £1,500, at good prices; about the value of stock and fixtures required; part payment considered; books kept by accountant.

7.—GREAT NORTHERN MAIN LINE (Few Miles Out).—Price £650, or valuation of stock and fixtures and small premium for goodwill; a good but neglected business; returns about £1,050; *gross profit* £437; books audited by accountant and stock taken annually.

8.—SUSSEX (Health Resort).—Retail and Dispensing Business; returns between £1,400 and £1,500, present rate less; excellent position; well-fitted shop, fully stocked; the business is well suited for a gentleman requiring business of the best class; death cause of sale; terms moderate.

9.—YORKS (Busy Town).—Established Business, chiefly ready money; returns £2,000; *gross profit* 34 *per cent.*; rent £40; for a speedy transfer vendor will accept valuation of stock and fixtures and £50 for goodwill, in all about £600.

10.—GLOUCESTER.—A good General Retail and Dispensing Business for Disposal through ill-health; returns £1,350, at fair prices; good residence, with garden attached; vendor will accept any reasonable offer.

11.—BUCKS (Market Town).—Old-established Business; good position in Market Place; returns £2,000; well-fitted shop, modern front, excellent appointed residence, all in first-rate repair; immediate sale necessary; first reasonable offer will be accepted.

12.—KENT.—Unopposed Business, situate in charming locality; returns £900; good residence, with private entrance; price £500.

13.—SUSSEX (In the Heart of the Country).—Good-class Retail and Dispensing Business; returns show a steady increase, now £826; *net profit* £300 (proof given); rent £50 on lease; comfortable residence, private entrance, small garden.

14.—SURREY.—Good-class Family and Dispensing Business; present hands 21 years; returns average £1,000 yearly; attractive shop and comfortable residence, with small garden; rent £52; price about £700; worth attention.

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Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

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£500 returns.—LONDON.—Good middle-class Retail, Branch; good opening for Photo, Optics, or Dentistry; large shop; will accept £150, much less than value of stock and fixtures.

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£500 returns.—LANCS.—Middle-class Retail; very little opposition; has done double, and can again; valuation about £170.

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£500 returns.—MANCHESTER (Near).—Middle-class Retail, with excellent opening for Optics; rent £28; stock and fixtures at valuation, about £250.

£1,000 returns.—LONDON.—Light Family Retail and Dispensing, increasing; ample scope for introducing Optics or Dentistry; price £400.

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Tel. No. Finchley 812.

All correspondence should be addressed as above.

And at 174 VICTORIA ST., S.W., Ph.C. Tel. No. Victoria [illegible].

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Being a Pharmaceutical Chemist with 50 years' experience of every class of Chemists' Businesses, Wholesale and Retail, town and country, Dispensing and Cash Retail, and for 40 years actively engaged in the valuation and transfer of Chemists' Businesses, invites correspondence. Vendors sending particulars of their Business do not incur any monetary liability whatever unless the business is actually sold on his introduction.

There is no charge whatever to purchasers. Every valuation is personally conducted in every detail.

Register kept of purchasers requiring Businesses and also of Businesses for Sale. No charge is made for insertion therein.

Valuations for Sale, Probate, or Account. Examinations for purchases, estimations for vendors, etc., all receive personal attention, and all charges are moderate.

Correspondents are advised to state the class of business they desire and the approximate amount of capital they desire to invest.

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Telegraphic Address: "Tomtom."

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

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2.—YORKS (West Riding).—Middle-class Business in large Manufacturing town; returns over £1,000; net profit £350; low rent; good premises, pleasantly situated; price £650.

3.—MIDLANDS (Death Vacancy).—Good-class Retail and Agricultural, in market town; easy hours; returns £900; net profit £300; low rent; price £425, or near offer.

4.—SHROPSHIRE (Market Town).—Sound Country Retail, Agricultural, and own Specialities; returns £500; plenty of scope; large house and garden; handsome Pharmacy; good stock; price £400, or valuation.

5.—SOUTH WALES.—Unopposed Light Retail; returns average £630; net profit £200; convenient premises; population about 8,000; price £250, £85 down, balance by easy instalments.

6.—SUSSEX (Death Vacancy).—Unopposed Business in large village; returns £250; half profit; can easily be doubled; modern house, large garden; rent £26; price £200, or near offer.

7.—LONDON, W.—Old-established Light Family Retail; now under Assistant; returns last year £1,400; net profit over £300; corner shop; good position; price £400.

8.—LONDON, S.E.—Middle-class Suburban trade; no Panel; returns £900, increasing; net profit £250; no opposition; well fitted and stocked; price £400.

9.—LONDON, N.W.—Good middle-class Retail; returns over £500; net profit £200; very low rent; no immediate opposition; military duties sole cause of sale; price £155, or valuation.

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Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

GLOUCESTER.—For immediate Disposal, owing to illness and advanced age, old-established Business; returns over £1,300; well-fitted corner shop; good house and garden; stock and fixtures over £1,000; price £700. Full particulars, 25/7, Office of this Paper.

LANCS.—Main road in large prosperous Manufacturing town; sound improving Business offered privately for cash; returns exceed £1,000, largely cash; handsomely fitted shop and good stock; restricted Wine Licence; expenses low; books kept; every facility for investigation offered to prospective purchaser. 25/22, Office of this Paper.

LIVERPOOL.—Nice Business, in good suburb; no National Insurance; Cash trade; low price for quick sale; owner joining Army. Apply, W. H. Dowler, 21 Kelvin Grove, Prince Park, Liverpool.

LONDON.—Genuine Business; returns about £1,600; handsome shop, large and well fitted; good house; pleasant neighbourhood; price, valuation and small goodwill. 26/10, Office of this Paper.

LONDON (City).—Lock-up shop; established 17 years; rent £110; very profitable Retail and Dispensing; turnover before war £1,850; stock and fixtures at valuation; owing to long absence of owner, reasonable offer accepted. Apply for particulars, "I. H." (22/21), Office of this Paper.

LONDON, S.W.—Drug Stores, doing £10-£12 per week under unqualified management; net profit above the average; splendid opportunity for qualified or unqualified lady or gentleman with £275 ready capital; trial if required; splendid house, with garden, and in good locality. Address, 26/2, Office of this Paper.

MIDDLESEX (Main Road).—Ready-money Business; returns last year £571, present returns £12-£13 a week without N.H.I.; value of stock and fixtures only required, about £350; splendid opening for Dentistry. "Bates" (21/39). Office of this Paper.

MIDLANDS.—Light Retail and Dispensing Business; well situated in good-class residential town; established nearly a century; returns £460; net profit one-third; ample scope for increase; excellent reasons for disposal; vendor prepared to sacrifice for practically half value of stock and fixtures. "H." (25/32), Office of this Paper.

COMPACT Drug Stores for Disposal, under lady management; husband at the Front; 5 rooms, store room, and scullery; good size garden; stables at rear, let off; rent £40 and rates; price £100 or near offer. Digmans, 153 Eardley Road, Streatham, S.W.

EXCELLENT Opportunity for Chemists.—Owing to the recent death of a Chemist, who was carrying on a good Business in the Main Street of Redruth, Cornwall, the Business, stock, trade fittings, and fixtures are now offered for Sale; offers will be considered up to, and including, the 24th day of May, 1916. Further particulars and information can be obtained from the undersigned, Jenkin, Graham & Cooke, Solicitors, Redruth.

TRADING WITH THE ENEMY AMENDMENT ACT, 1916.

IN THE MATTER OF WAGNER BROS., MERCHANTS AND DEALERS IN SURGICAL INSTRUMENTS, DENTAL MATERIALS, AND DRUGGISTS' SUNDRIES.

FOR SALE, as a going concern, this old-established Business, successfully carried on by the proprietors.

The Stock in Trade, Utensils, and Fixtures are of the approximate value of £1,200, and can be taken over at a valuation, or cash offer will be entertained.

The Book debts can be assigned, if desired, and a reasonable offer for the goodwill considered.

Bona-fide purchasers, who must satisfy the Board of Trade of their technical ability to continue the business, can obtain further information by arranging a personal interview with the Controller, A. C. Bourner, Chartered Accountant, Bush Lane House, Cannon Street, London, E.C.

FOR Sale, Drug Business; position good; rent £32, rates; corner shop; thousands pass daily; owing to war, for immediate Sale; £40, stock and fittings; a bargain. M., 40 Monks Road, Lincoln.

OLD-ESTABLISHED, good-class Family and Retail Business in attractive Midland city; Post Office attached, which more than pays rent; bona-fide applicants with £500 capital only considered. Apply, "Executors" (24/30), Office of this Paper.

REASONABLE offer wanted immediately for London Suburban Business; proprietor joining Colours; valuation terms arranged if desired; personal investigation more practical than particulars given by letter; advertiser ready for interview any time, day or night, on application to "Tempus" (202/13), Office of this Paper.

SMALL, undeveloped Country Retail, affording unusual opportunity for an enterprising man to secure large return for small outlay; large shop, handsomely fitted, in perfect condition; working stock; house and garden attached; appointment covers rent; price to immediate cash purchaser £175; worth much more. "Cambs." (26/15), Office of this Paper.

£280.—SPLENDID opportunity for acquiring a steady good-class Business, occupying a prominent corner position, Lancs (popular resort); handsomely fitted, well stocked; valuation £375; low rent; exceptional opening for Optics or Dentistry. Apply, 21/37, Office of this Paper.

£50.—FOR Sale, through death of owner, in beautiful village six miles from Cathedral town, unopposed Prescribing and Retail; large district from which to draw; exceptionally low rent. 25/14, Office of this Paper.

SALES BY AUCTION.

Re HANOVER RUBBER CO.

By order Controller Geoffrey Bostock, Esq., F.C.A., appointed by Board of Trade.

FRYETT, WHITE & CO. will SELL a quantity of RUBBER MEDICAL APPLIANCES, Sponges, Syringes, etc., at the Moorgate Auction Rooms, 23/5 Moorfields, E.C., on THURSDAY next, May 4, at 12.30.

IN BANKRUPTCY. BY ORDER OF THE TRUSTEE.

REMOVED FROM ROYAL ARCADE, BOND STREET, W.

MR. FRANK G. BOWEN, will SELL by AUCTION at his SALE ROOMS,

62A Aldersgate Street, London, E.C.,
on THURSDAY, May 4th, at 1,
the clean and well-assorted
STOCK of a CHEMIST and DRUGGIST,
including

2,000 STOCK BOTTLES and JARS containing Wet and Dry Drugs of every description, large quantity of Proprietary Goods, Patent Medicines, Pills, Ointments, Tabloids, Soaps, Brushes, Combs, Sponges, 500 Bottles

EXPENSIVE PERFUMES AND TOILET PREPARATIONS,

A. & H. and other Foods, Powders, etc., large quantity of Chemists' Sundries, Bandages, Instruments, old Gun-metal and Marble Mortars and Pestles, Weighing Machine, Mixing Machine, Bottles, Jars, etc.,

PHOTOGRAPHIC MOUNTS AND SUNDRIES.

Also the well-made

SHOP FITTINGS, PLATE-GLASS SHOWCASES, AND MIRRORS.

On view day prior.

Catalogues of the Trustee, G. MONTAGUE WHITE, Esq., F.C.A., 14 Old Jewry Chambers, E.C., and of the Auctioneer, 62A Aldersgate Street, London, E.C.

TO LET.

CHEMIST'S Shop (small) to be Let owing to death; business established over 60 years; no premium; part fittings remain. Apply to E. J. Barrett, 70 Southwark Bridge Road, S.E.

AGENCIES.

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PRINCIPAL of Wholesale Honey and Beeswax House is open to Represent good House for Sale of Chemicals, or Proprietaries, for Chemist, in South Wales and West of England; five days a week. State salary and particulars "Bees" (196/2), Office of this Paper.

SELL your Product in America.—Since 1910 I have successfully marketed English Perfumeries, etc., in this country, Canada, and Mexico; my Goods are sold from Coast to Coast, and I am personally acquainted with every reputable Store from Maine to Nebraska; my connection and knowledge of local merchandising conditions offer opportunity for Manufacturers of high-grade Druggists' Sundries, Perfumeries, Toilet Articles, etc., to sell their Goods through me; English Pharmacist, with London references. Arthur J. Morison, 49-51 West 23rd Street, New York.

FOR SALE.

LATEST type National Till; suitable for small shop; total-adder, and prints receipts; a few months old. Offers to S., 82 Fort Road, Bermondsey, S.E.

MAHOGANY, 7 ft. 6 in. Dispensing Screen; centre mirror; mirror backed cases; shelved behind; marble base; also Drug fixture, with 100 drawers; mahogany-fronted; glass knobs and labels; all in first-class condition; price £12 12s.; also for Sale, quantity Shop-rounds, Ointment-jars, etc. Full particulars, Knowles, 39 Market Place, Barnard Castle.

WHAT offers? 2 lb. Bism. Carb.; 2 oz. Cocain. Hcl.; 4 lb. Am. Brom.; 2 lb. Sodii Salicyl.; 4 oz. Morph. Hcl.; ½ oz. Atropine Pure; 2,000 Acetylsalicyl. Ac. Tablets, gr. 5; ½ lb. Quin. Sulph.; 2,000 Sod. Salicyl. Tabs., gr. 7½; 1,500 Thyroid Tabs., gr. 5; 500 Phenazone Tabs., gr. 5. 22/16, Office of this Paper.

WHAT offers for 5 lb. Bromine and 30 lb. good Indigo? Apply, 201/56, Office of this Paper.

WHAT offers? 2 lb. Potass. Permangan.; 10 oz. Sulphonal (Bayer); 4 dr. Morph. Pur.; 1½ dr. Atropine Sulph.; 1 dr. Quinine Hydrobrom.; 2 dr. Codeina Phosph.; 1 dr. Codeina; 1½ oz. Morph. Hydrochlor.; 6 dr. Cinchonæ Murias; 1 oz. Quin. Ethylcarbonas; 8 oz. Bromipin; 4 oz. Acetanilide; 8 oz. Potass. Phosph.; 1 oz. Duotal; 1 oz. Thymol; 1 oz. Caffeine Pur.; 3 lb. Bismuth. Carb.; 18 doz. (C) Sparklet Bulbs; ½ lb. Paraldehyde; 4 oz. Potass. Salicyl.; exchange Cocaine Hydrochlor.; Ammon. Brom.; Pot. Brom.; Phenazonum. Donald, Campbeltown, Argyllshire

SITUATIONS OPEN.

2s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

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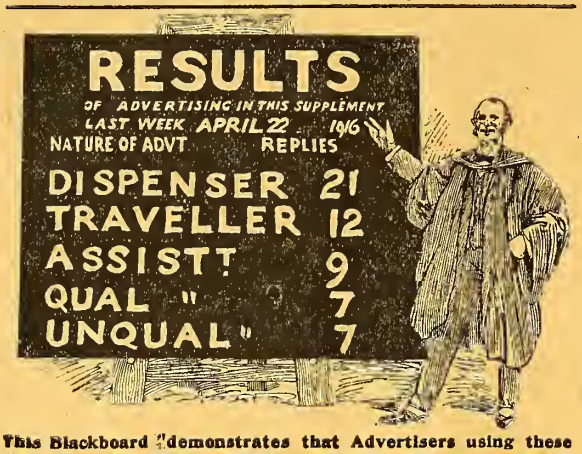

This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

RETAIL.

BATH.—Davies & John require an Assistant immediately; qualified or unqualified. 15 Old Bond Street, Bath.

BATH.—Qualified elderly gentleman required for good-class Dispensing business. Apply, with full particulars, Pryke, Chemist, Bath.

BIRMINGHAM.—Lady or gentleman, Counter or Dispensing; fairly easy hours; pleasant district; good experience for Improver; no Sunday duty. Brown, Pharmacist, Bearwood, Birmingham.

BRIGHTON.—Competent all-round Assistant for a comfortable berth; permanency for a good man. Send full particulars, salary, photo if possible, and state if could meet at Victoria next Wednesday. Apply, Sidney Lane, 100 Western Road, Hove.

CASTLEFORD.—Assistant wanted, male or female; outdoors; must be good Dispenser. Apply, stating age, experience, references, and salary required, to T. C. Binks, Chemist, Castleford.

EASTBOURNE.—Wanted, a qualified Locum for two days, May 17 and 18, while attending Conference; the first day is the early-closing day. Send references, stating age and remuneration required, to D. Marchant, 1 Rockingham Place, Eastbourne.

EDINBURGH.—Smart Junior, under age, or ineligible (or lady), outdoors, for first-class Dispensing and Photographic business in Edinburgh; short hours, with half-holiday; boarding terms might be arranged. State salary, and send photo, to Horsburgh, 10 Salisbury Place, Edinburgh.

GLOUCESTER.—Unqualified Assistant; outdoors; good appearance and address; for Light Retail and Dispensing business; ineligible. State age, height, salary, with photo, Ward & Woodman, Gloucester.

ILKLEY.—Unqualified Assistant for good-class Retail; no Sunday duty; good salary for suitable man; outdoors. J. Denton, M.P.S., 33 Brook Street, Ilkley.

KNIGHTON, Radnor.—Wanted, a competent Assistant for good Country business; moderate hours; very healthy locality. Give full particulars, age, salary, references, and say if married or single, good house attached, suitable for married man, Joseph Blower.

LAKE District.—Wanted, Junior, either sex, for summer months; good opening for gaining business experience. Apply, stating salary, references, with photo, to Thomas Bell, Chemist, Ambleside.

LIVERPOOL Suburb.—Wanted, a reliable Assistant (unqualified) for Light Retail and Dispensing business. State full particulars and salary required (outdoors), Alfred Shaw, 43 Green Lane, Stoneycroft, Liverpool.

LINCOLN.—Qualified Assistant, ineligible, for old-established Mixed Country business, N.H.I.; Partnership could be arranged (moderate capital); excellent prospect for increasing the business. Apply, stating age, experience, and salary required, to J. Roberts, Valuer, 2 Arboretum View, Lincoln.

LONDON.—Manager required for high-class Dispensing West-End business; salary £12 per month with commission; easy purchase would be entertained; house and light. Apply, 202/20, Office of this Paper.

LONDON (Suburb).—Assistant (ineligible); whole or part time; outdoors; good-class Retail, Dispensing, and Photographic. State usual particulars, salary expected, and when disengaged, Matthews (Cash Chemists), 20 Park Parade, Palmers Green, N.

LONDON (Part-time).—Wanted, Assistant Dispenser in select Medical practice; comfortable berth in nice locality; near Pharmacy Colleges; immediate vacancy. Apply to Mr. Hughes, 20 Streatham Hill, S.W.

LONDON, N.—Assistant wanted; whole day off one week and half-day the next alternately; salary and commission, minimum 50s. per week; also wanted, lady Assistant for Toilet Goods and Window-dressing. Please state age, experience, references, and when disengaged to Bishop & Vincent, 460 Holloway Road, N.

LONDON, N.W.—Unqualified (ineligible) for Drug Store; would suit an elderly man who is active and energetic and good Salesman; strictly sober and honest; must have good references; permanency for suitable person; a woman with some experience might suit. State wages required, 26/18, Office of this Paper.

LONDON, S.E.—Qualified Assistant required for four days a week; hours 9 to 5; permanency for suitable and capable man. Please give particulars in first letter, age, experience, and salary required, to "Alpha" (26/12), Office of this Paper.

LONDON, S.W.—Junior Assistant; indoors; ineligible; must be a neat and accurate Dispenser and accustomed to good-class business. Apply, stating salary and usual particulars, to J. Selley, 202 Earl's Court Road, South Kensington, S.W.

LONDON, S.W.—Required, lady Assistant, of good appearance and experience, for the Front Counter. Write, stating full particulars, to "L. J.," 111, Sells' Advertising Offices, Fleet Street, E.C.

LONDON, W.—Assistant required immediately; good Dispenser and Counterman. Apply, with full particulars, Whitmore Baker, 239 Elgin Avenue, Maida Vale, W.

LONDON, W.—Wanted, a Junior Assistant (ineligible); good Dispenser; whole- or part-time. Apply to W. F. Pasmore, 320 Regent Street (opposite Polytechnic).

MANCHESTER.—Qualified Assistant (ineligible) for first-class brisk Retail; short hours. Address full particulars, Westmacott & Son, 17 Market Street, Manchester.

NANTWICH.—Good Assistant required for pleasant Country business; reasonable hours; ineligible for Army; unqualified; permanency for suitable gentleman. State full particulars in first letter, and enclose photo (outdoors), Young, Chemist, Nantwich.

READING.—Wanted, Assistant, qualified preferred, gentlemanly and obliging, for good-class Dispensing and Light Retail; must be well recommended. State full particulars, with salary required, to J. C. Rowell, 3 Duke Street, Reading.

RYDE.—Unqualified or qualified Assistant required for good-class Dispensing and Retail business; indoors or outdoors. Particulars to Tenison Smith, Ryde, I.W.

S. KENSINGTON.—An Assistant with good Dispensing experience required. Apply, A. J. Phillips, 156 Cromwell Road, South Kensington, S.W.

SOUTH COAST.—Wanted, qualified man, 40 to 55, for Dispensary, Counter, good-class Store Pharmacy; good house on premises; salary 55s. per week and commission, free house; comfortable berth; permanency; hours 9 to 8, winter shorter; half-day weekly; no Sunday duty. Particulars, when disengaged, Simpson, 6 Wilbury Crescent, Hove.

SOUTH OF ENGLAND.—Assistant required; experienced; permanency, with good salary. **Timothy White Co., Ltd., Chemists, Portsmouth.**

THE County of Middlesex War Hospital, Napsbury, St. Albans.—Assistant Dispenser wanted, qualified woman. Applications to the Administrator.

TUNBRIDGE WELLS.—Qualified Manager for good-class Dispensing and modern Retail business; 12 Assistants; must be competent, energetic; permanency; good house accommodation. State age and fullest particulars, salary required, Pearmund, Chemist, 17 Calverley Road.

WEYBRIDGE.—Reliable Assistant, outdoors, for good-class Dispensing business; ineligible for Army. Send full particulars as to age, height, references, and salary required, also enclose photo, E. T. Neathercoat, Pharmaceutical Chemist, Weybridge, Surrey.

WORTHING.—Qualified Assistant, three or four months' engagement, to Manage Branches and assist at head establishment during holidays. Particulars, with references, to W. Aston, Pharmaceutical Chemist, Worthing.

A COMPETENT Assistant required for a good-class Light Retail and Dispensing business in healthy locality near London; lady, or ineligible gentleman; suitable berth for man invalided out of service; outdoors. State full particulars and salary required to "Pharmacy" (25/16), Office of this Paper.

A QUALIFIED or unqualified Assistant wanted, as soon as possible, for a first-class Retail and Dispensing business; competent Dispenser; permanency. State salary required, and references, W. Parry-Jones, Chemist, Barnet.

AN Assistant required for a Mixed Country business, including Teeth Extractions; good salary to capable man. Apply, Wyleys, Ltd., Coventry.

ASSISTANT or Junior required for high-class Dispensing business; outdoors; one ineligible for Army, or lady; must be good Dispenser and Counterman; liberal salary. Apply, stating particulars as to age, height, references, and salary, to Hinton Lake & Son, High-class Chemists, 41 High Street, Exeter.

ASSISTANT wanted (outdoors) for general Country trade; hours 8.30 to 8; ineligible for Army. State age, present and last situations, references, and salary required, Reade Brothers & Co., Ltd., Wolverhampton.

ASSISTANT, qualified, male or female; married preferred; if the former must be ineligible. Full particulars to H. Wilson, Randall & Son, Ltd., 146 High Street, Southampton.

ASSISTANT Dispenser; hospital experience preferred; state age, wage, and experience. Address, Secretary, St. Mary's Hospitals, Manchester.

ASSISTANT for good-class Retail and Dispensing; knowledge of Photography essential; outdoors. S. Edwards, Pharmacist, Godalming.

BRADLEY & BOURDAS, 6 Pont Street, S.W., require a qualified Assistant for Dispensing; ineligible for the Army. Particulars to Mr. Bourdas.

CAPABLE and trustworthy Assistant wanted by Chemist whose son has enlisted (Derbyshire). Please give all usual particulars, 20/3, Office of this Paper.

DISPENSER wanted for Accrington Medical Dispensary; qualified under Insurance Act. State terms to J. T. Smethurst, 11 Westwood Street, Accrington.

DISPENSING Assistant wanted for Suffolk Seaside business, male or female; quick and accurate; ineligible. State age, salary required, and when disengaged, name of last employer, 26/3, Office of this Paper.

ELDERLY qualified Assistant required; very light duties; short hours. Apply, "E. N. E." (21/32), Office of this Paper.

GENTLEMANLY Assistant; accustomed to first-class Dispensing business; ineligible. Please state age, height, experience, and salary required, to Treharne Howell, Newport, Mon.

JUNIOR or Improver wanted; splendid opportunity to learn the business and study; hours, 48 weekly, 12 o'clock Thursdays. Apply, stating age, experience, and salary required, enclosing references, to Secretary, or Manager Drug Dept., Co-operative Society, Stockton-on-Tees.

JUNIOR Assistant or Improver required at once. Give full particulars of experience, age, height, and copy of testimonials, to Haddock, Chemist, 64 Pull Street, West Bromwich.

LADY Dispenser or Improver, with good experience, wanted for National Insurance and private Dispensing in the East of London; good wages and ample time for study. 23/38, Office of this Paper.

LEWIS & BURROWS have a vacancy for a good Assistant; must be ineligible for military duty. Apply, with full particulars, to 146 Holborn Bars, E.C.

MANAGING Assistant; unqualified; ineligible; full Retail experience essential, N.H.I. Dispensing, good Window-dresser; wanted in about two weeks' time; war vacancy; salary 2 guineas a week and commission. F. H. Johnson, 112 Lozells Road, Birmingham.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects.

PART-TIME Assistant wanted (male); evenings from 6 to 9, Saturday 10 p.m., and alternate Sunday evenings; for N.H.I. Dispensing and Counter work. J. Brooks, Pharmacist, 8 High Street North, East Ham, E.

QUALIFIED Dispenser (ineligible) required immediately. Apply, personally or by letter, to Staff Manager, Harrods, Ltd., 44 Hans Crescent, S.W.

QUALIFIED Manager required, ineligible, to take charge of business; Agricultural experience essential. Apply, with particulars of age, experience, and salary required, to Allen & Neale, King's Lynn.

QUALIFIED Chemist required to manage Store business; must be ineligible for military service. State age, experience, and salary required, in first letter, Martyn's Stores, Ltd., 26 Queen Street, Wolverhampton.

QUALIFIED Assistant required at once; ineligible for military service; duties light, mainly N.H.I. Dispensing. Address, stating age, experience, and salary required, King Bros., Wholesale Chemists, Wolverhampton.

RELIABLE Assistant; mostly Dispensing; high-class business, near London; easy hours; ineligible for military service. State full particulars as to salary, etc., 23/34, Office of this Paper.

REYNOLDS & BRANSON, LTD., Leeds, require a Junior Assistant for Retail and Dispensing Department; must be ineligible for military service. State age, height, experience, and salary required.

SENIOR Assistant (Manager) wanted; permanency; must have Country experience, be able to Extract, and have a good general knowledge of a Retail Dispensing business; married man preferred, but not essential. State age, salary (outdoors), and references, Cole, Chemist, Cavan, Ireland.

UNQUALIFIED Assistant wanted for good-class Store, London, S.W.; must be smart, with some Dispensing experience; easy hours. Apply, giving full particulars and when at liberty, 24/2, Office of this Paper.

UNQUALIFIED Assistant for Retail, Photographic, and Dispensing business; moderate hours; half-day weekly; two hours alternate Sunday duty; good salary; lady with short experience not objected to; outdoors. Timmis, 91 High Street, Beckenham.

WANTED, a qualified (Minor) lady as Assistant in a large Drug Stores, one not afraid of hard work, to do Insurance Dispensing and make Pharmaceutical Preparations. Applications, with salary required, and usual particulars, to be addressed to Manager, Drug Dept., Co-operative Society, Barnsley.

WANTED immediately, lady Dispenser and Bookkeeper; state qualifications and salary. Apply, Dr. Richards, 67 High Street, Stoke Newington, N.

WANTED, an intelligent youth as Pill-rounder; about 17 years of age, and accustomed to this work. Write, L. J., 112 Sells' Advertising Offices, Fleet Street, E.C.

WANTED at once, reliable Assistant; outdoors; unqualified; lady or gentleman; easy hours, and no extra or holiday duties. State age, height, experience, and salary required, to Taylors' (Northern) Ltd., 4 Crown Street, Halifax.

WANTED immediately, lady or gentleman, well up, for Dispensing business; will any Pharmacist kindly assist by his personal recommendation? which will be greatly appreciated by Pelham Young, Chemist, Hounslow. 'Phone 153 Hounslow.

WANTED, qualified or unqualified Assistant; outdoors; for good-class Dispensing business. R. Thomas, 97 High Street, Manchester Square, W.

BOLTON UNION.

TOWNLEYS HOSPITALS.

WANTED, for the Townleys Hospitals, Farnworth, near Bolton, a qualified Dispenser (male or female).

Salary £80 per annum, increasing after one year's service to a maximum of £100 per annum, with Rations, Apartments, and Washing.

Applications (on forms which may be obtained from me, with print of conditions of appointment, and for which a stamped addressed foolscap envelope must be enclosed) may be sent to me not later than the 8th May, 1916.

Canvassing the Guardians, either directly or indirectly, will be a disqualification.

H. J. COOPER, Clerk to the Guardians.

28 Mawdsley Street, Bolton, 19th April, 1916.

WANTED, for business near London, a qualified man for a few hours daily; duties extremely light; suit elderly retired man; must have good references. "Veterinary" (26/20), Office of this Paper.

WANTED, competent Assistant (ineligible), to take charge of Chemist's shop; state age and salary required, with references. Apply, Box 706, Robertson & Scott, Advertising Agents, Edinburgh.

WHOLESALE.

DRUG Assistants, male and female. Write, stating age, experience, salary required, Ayrton, Saunders & Co., Ltd Wholesale Druggists, 34 Hanover Street, Liverpool.

LONDON, S.W.—Required, Dispenser, lady or gentleman, with Minor qualification; hours of work approximately 8.45-6.30; Saturdays 1 p.m.; 1s. per hour paid for time working after 7 p.m.; no Sunday duty. Write, stating full particulars of past experience, to L. J., 113 Sells' Advertising Offices, Fleet Street, E.C.

DRY Counter Assistant wanted; must be ineligible and have had previous Wholesale experience. Apply, with full particulars, H. Wilson, Randall & Son, Ltd., 146 High Street, Southampton.

EXPERIENCED Warehouseman, non-military age, wanted in Wholesale Drug house. Full particulars as to previous employment and salary asked, "Merton" (27/230), Office of this Paper.

EXPORT.—Assistant in Export Department. State age, experience, and salary required, Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool.

FOREMAN of Finishing Floor or Overseer Packer; able to engage and control staff economically. 25/8, Office of this Paper.

INVOICE Clerk for Manchester Wholesalers; with knowledge of Drug Costs preferred; male or female; ineligible. State experience and salary required, 197/54, Office of this Paper.

JUNIOR Clerk in Sales Department of London Export Druggists, with some experience; ineligible; commencing salary £70-£80, according to qualifications. Apply, "T." (27/35), Office of this Paper.

LABORATORY Assistant; must be ineligible and have had previous experience. Apply, with full particulars, H. Wilson, Randall & Son, Ltd., 146 High Street, Southampton.

LADY Clerk required with some knowledge of Pharmacy, and good at figures. Apply, the Secretary, British Drug Houses, Ltd., Graham Street, City Road, N.

PILL and Tablet Department.—Lady, with experience, to work under Manager, but to take charge of female staff. State age, experience, and salary required, Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool.

PILL Hand wanted by a London firm. Write full particulars of age, experience, and wage required to 28/5, Office of this Paper.

PILLMAKER required, non-military age; one accustomed to machinery; must be reliable and thoroughly experienced. State previous employment and wages required, "Rustat" (27/23), Office of this Paper.

PRACTICAL, experienced Chemist required immediately; must be accustomed to making Face-creams, Powders, and other Toilet Preparations; good permanent position for right man. Write, in confidence, giving age, experience, and salary required, and fullest particulars, to Box No. 600, c/o Mitchell & Co., Ltd., 1 Snow Hill, E.C.

REPRESENTATIVES required for London and Middlesex by firm of Manufacturing Chemists; good commission and prospects to men with live connection. Apply, 200/70, Office of this Paper.

SALESMAN.—For South Coast and Southern Counties (ineligible for service), first-class man only, personally acquainted with all Buyers, full knowledge Perfumery and Toilet Goods, well-known and old-established house. State full particulars, age, experience and salary, in confidence, to 200/64, Office of this Paper.

TRAVELLERS' Samples.—Male or female Assistant, experienced in getting ready and fitting up Travellers' Sample Cases. Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool.

TRAVELLING Saleswoman required, with knowledge of Toilet and Manicure Goods, to call on Chemists, Perfumers, in Provinces; first-class opening with old-established house. State full particulars, age, salary, to 200/640, Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

WEST INDIES.—Assistant (ineligible for military service) wanted for Drug Stores in British Guiana; Counter and Dispensing experience essential; three years' agreement; free passage. State qualifications, experience, age, and present salary to 22/20, Office of this Paper.

CHEMIST'S Assistant, with knowledge of French. All letters, with references, should be addressed (in French) to the Pharmacie Principale, Geneva.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

[HOME.] RETAIL.

AS Dispenser (Hospital or Infirmary); qualified. "Acetyl," 4 Bamborough Gardens, Shepherd's Bush.

AS Dispenser; London only; no shops; experienced. "G.," 10 Grange Road, Plaistow.

ASSISTANT; 20; ineligible; 5 ft. 9 in.; 5 years' good all-round experience; N.H.I. Dispensing; disengaged 1 month. 24/15, Office of this Paper.

ASSISTANT or Branch Manager; unqualified; thoroughly experienced and reliable; permanency desired; married; no family. 26/25, Office of this Paper.

BRIGHTON.—Lady Assistant (Hall) desires post with Chemist (Brighton); thoroughly experienced in Dispensing, Retail, Photography; good references. Hickie, 47 Buckingham Road, Brighton.

CAPABLE Pharmacist requires Managership; 32; married; rejected for Army; permanency required; outdoors; good experience, and industrious. 24/18, Office of this Paper.

DISPENSING; Monday, Tuesday, Wednesday evenings, alternate Sundays. "R.," 10 Foreign Street, Camberwell.

ELDERLY qualified Chemist requires Light work; permanency; outdoors; South or S. Midlands preferred. 25/15, Office of this Paper.

EVENINGS; qualified; up-to-date experience. "Pharmacist," 5 Claverton Street, Victoria, S.W.

EXPERIENCED Dispenser, Surgery Attendant; good references. "Dispenser," 24 Forest Road, Forest Gate, E.

IMMEDIATELY, Retail Counter experience desired by Doctor's Dispenser (12 years); thoroughly trustworthy; ineligible; for assistance and outdoor maintenance expenses. References, "Y," 8 May Avenue, Seacombe, Cheshire.

LADY desires post in Chemist's shop; little experience; outdoors; London. 23/24, Office of this Paper.

LADY Dispenser, 12 months' practical experience, desires post; Wakefield or district preferred. 23/22, Office of this Paper.

LADY Dispenser, unqualified, desires post with Doctor (preferred) or Chemist, near Bolton or Manchester. 24/35, Office of this Paper.

LADY Dispenser and Bookkeeper desires post with Doctor; two years' experience; live out. 25/30, Office of this Paper.

LADY Dispenser (Hall certificate), experienced, seeks post in London or S.W. district. 190/8, Office of this Paper.

LOCUM; disengaged from May 5; well recommended. Andrew, 5 Pearson Street, Cardiff.

LOCUM or temporary Assistant; 23; London or South preferred. "D.," 30 Durham Road, Stockton-on-Tees.

LOCUM; qualified; summer 1916; disengaged from May 8; moderate terms. E. S. Peebles, 36 Dinsdale Road, Blackheath, S.E.

LOCUM; Dispensing; unqualified; Oldham, Manchester, Hanley district; disengaged April 30; recent references. "Associate," 131 Stocks Street, Manchester.

LOCUM; North Wales or Liverpool district; ineligible; Optics and Photography. 26/13, Office of this Paper.

LOCUM, qualified (25), 10 years' provincial and West-End experience, desires post for two or three weeks. "Melisse" (26/25), Office of this Paper.

LOCUM; country; 50; qualified; disengaged after May 1 to 6 and after May 26; first-class references, booking forward. Dewey, Maundrell, Chemist, Milton Regis.

LOCUM; Manager; ineligible; extensive, varied experiences; æt. nearly 48; now disengaged; testimonials and references. "Major," c/o Mr. Henry, Chemist, Shotley Bridge, Durham.

LOCUM; qualified; ineligible; elderly. Bilton, West Heath, Congleton, Cheshire (permanent address).

LOCUM or otherwise; disengaged May 9. Apply, "Rhei," 153 Dawes Road, Fulham.

LONDON.—Unqualified; ineligible; Front Counter, Dispensing; State salary; long hours and Sunday duty "not entertained." "Hodie," 10 Alfearn Road, Clapton, London, N.E.

MANAGER or Locum; 45; thoroughly experienced; qualified; outdoors. Johnston, 32 Market Street, Hoylake, Cheshire.

MANAGER; 37; ineligible; disengaged shortly. 21/35, Office of this Paper.

MANAGER; South or West Coast; 30; married; experienced. 22/9, Office of this Paper.

MANAGER, qualified, ineligible, excellent London and provincial experience, desires change. "Salol" (21/34), Office of this Paper.

MANAGER; qualified; age exemption; six years' West End; London or provinces; with or without interest in good business. "Amherst" (27/28), Office of this Paper.

MANAGER; qualified; 26; excellent all-round experience; references; energetic, trustworthy; keen buyer; ineligible. Hart, 30 Heneage Road, Grimsby.

PART-TIME, evenings or arrangement; experienced; references. 24/32, Office of this Paper.

PART-TIME Dispensing required by lady student; City or East districts preferred. 27/36, Office of this Paper.

PHARMACIST; 36; ineligible; Branch Manager or position of responsibility desired; disengaged end of May, or possibly sooner. 25/23, Office of this Paper.

PHARMACIST (46), married, at present Managing good business, requires change; Lancashire, Cheshire, or North Wales. 26/30, Office of this Paper.

PHARMACIST; elderly; single; best experience; moderate salary; reasonable hours; London. 26/26, Office of this Paper.

QUALIFIED Manager; permanency; Locum; good experience; references; disengaged. Pharmacist, 485 Ashton Road, Oldham.

QUALIFIED; 33; single; rejected; disengaged; outdoors. Kindly state terms, 24/24, Office of this Paper.

QUALIFIED; 27; short hours or time off; outdoors. 25/21, Office of this Paper.

RELIEF, half a day a week and every other Sunday; years of experience; evening; best of references. 24/27, Office of this Paper.

REQUIRED, situation middle of May, Stafford district or Leicester; Dispensing, Retail, or Wholesale; Apoth. Hall certificate; married; age 48. "Beta" (199/15), Office of this Paper.

TWO or three nights; all-round experience; quick Dispenser, Photography. "Normanhurst," Heston Road, Hounslow.

UNQUALIFIED desires change, Manager or Senior; married; 36; highest references; permanency. Address, "Reliable" (25/4), Office of this Paper.

UNQUALIFIED; usual experience, Extracting; 28; married; ineligible; disengaged. Dillon, 1 Harleyford Road, Vauxhall.

YOUNG man wants situation as Looker-up of Orders for Patents and Export; ineligible. Apply, T. Richards, 312 Liverpool Road, Islington.

£2 2s. (indoors) weekly, plus fare; Locum or temporary management; 31; tall, abstainer; good experience and references; West End, town, and country; Prescribing, Dispensing, and Veterinary; very slightly lame, accidentally; booking forward. Davidson, Glenamoy, Strathmiglo, Fife.

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PHARMACEUTICAL Chemist, with thorough knowledge of the Manufacture of Acetanilide, Esters, Phenols, Quinone derivatives, and various organic products, including Dyes, requires position. 26/33, Office of this Paper.

PHARMACEUTICAL, Toilet, Perfumery, and Essence Maker.—Thorough practical man (27), ineligible, 12 years' experience, desires permanency; London preferred. 25/18, Office of this Paper.

REPRESENTATIVE; London and 50 miles radius; exceptionally well known to the trade; 12 years' real selling experience on this ground; Proprietaries, Drugs, and Sundries; good record; first-class references; disengaged. Apply, 22/22, Office of this Paper.

REPRESENTATIVE; qualified Chemist; good connection; necessary appearance and address; ineligible military service. 26/38, Office of this Paper.

REPRESENTATIVE; disengaged; valuable connection throughout Great Britain; exceptionally well known in London and suburbs; Drugs, Sundries, Proprietaries; good record; first-class references. Apply, 26/36, Office of this Paper.

REPRESENTATIVE of well-known house is open to undertake additional commission; Home Counties and South Coast; only first-class houses entertained. 27/34, Office of this Paper.

SERBIAN (28), 16 months' Counter and Stock in London high-class Retail Pharmacy, seeks new berth in Wholesale or Manufacturing London house; good references. Bozo Cukli, 46 Burrard Road, West Hampstead.

THOROUGH business man, 25 years' sound connection Wholesale, Retail Chemists, desires to Represent good house; commission, part expenses; North England, Scotland preferred. 26/22, Office of this Paper.

TRAVELLER, qualified Chemist, requires re-engagement; experienced, energetic, successful; excellent selling record and connection with chemists, stores, institutions, and general; intimate knowledge drug, sundries, essence, disinfectant, etc., trades; first-class references; ineligible Army; disengaged. 25/24, Office of this Paper.

TRAVELLER, Proprietary or Packed Goods, 15 years present position, desires change; thorough knowledge trade; London, provinces, Scotland, etc.; excellent references. 27/39, Office of this Paper.

WET-ROOM Assistant desires change; 15 years' experience. 24/22, Office of this Paper.

YOUNG Chemist (26), ineligible, 10 years' experience in Chemicals, Galenicals, and Perfumery, unqualified, capable supervisor, desires change. 25/180, Office of this Paper.

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1s. for **12** words or less; **6d.** for every **10** words beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

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PHARMACEUTICAL COUNCIL ELECTION, 1916.

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Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

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COMPLETE SET OF SHOPFITTINGS (Second-hand).—12-ft. Drug Fitting, Glass Labels and Knobs, Lockers and Shelving; 12-ft. Mahogany Top Counter; Desk and Case; 5-ft. Wall Case; Bent Counter Case; 6-ft. Dispensing Screen and Counter; suit any shop; £42 10*s.* PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.

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WANTED.

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Printed for the Proprietors by SPOTTISWOODE, BALLANTYNE & CO. LTD., 1 New-street Square, and Published by the Proprietors at 42 Cannon Street, in the City of London.—*April* 29, 1916. [64]

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SPECIALITIES
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	10/-	8/8	83/2

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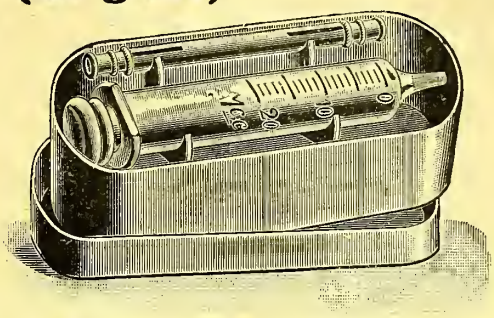

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Salicylates, Phenacetin, Phenazone, Salol Acid and Soda Benzoate, Quinine Salts, Lithium Carbonate, Magn. Sulphate, Soda Hypo., Camphor Monobrom., Hexamine, Soda Bichromate, Barium Binoxide, &c.
FOR PROMPT OR EARLY DELIVERY.

OKELL'S ORIGINAL MONA BOUQUET.

(First introduced by the late JOSEPH O'KELL).

Registered Trade Mark, "DOUGLAS PIER."

The most popular and best-selling perfume in the market.
Retail Prices ... 1/-, 1/9, 3/6, 6/-, 7/6, 10/6, per Bottle.
ALSO 3d. SAMPLE BOTTLES.

Shippers and Wholesale Buyers supplied on the best terms by
THOMAS WEST & SON, 1187 Chester Road Stretford. MANCHESTER.

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LIVERPOOL LINT Co.
MARK STREET MILLS,
NETHERFIELD ROAD NORTH,
LIVERPOOL,
MANUFACTURERS OF
LINTS,
BANDAGES,
COTTON WOOLS,
SURGEONS' TOW,
CARBOLIZED TOW,
SPLINT PADDING,
WADDINGS, &c. &c.
As supplied to Home and Foreign Governments.

"IMPERMIETTE" (Waterproof).
"IMPERMIETTE" BED SHEETING.
"HEALTH" CHEST PROTECTORS.
"VULNOPLAST."

ABSORBENT TISSUE
FIRST FIELD DRESSINGS
Telegrams: "LINT LIVERPOOL"
TRADE MARK

Radioba Radioba

EVERY one of your customers who has a boy on active service is a purchaser of a Radioba.

The Radioba gives a Bath from head to feet, any time, anywhere—even in the Trenches.

Send for trade terms, now and join the army of Chemists who are selling dozens weekly.

Fixed Retail Price - £1/1/6

Patentees and Sole Manufacturers:

THE TOWNLEY M'F'G. CO.,
294 CITY ROAD - - LONDON, E.C.

STAND 60 ACTIVE SERVICE EXHIBITION. STAND 60

LADIES' ABDOMINAL and SUPPORTING BELTS
ACCOUCHEMENT OUTFITS
SANITARY TOWELS
BATHING CAPS
BATH GLOVES
SPONGE BAGS
HOLDALLS
ETC. ETC.

ESTABLISHED 1850

PERFECTUM DOUCHE CANS (ALUMINIUM)
ENAMELLED IRON DOUCHE CANS
HOT WATER BOTTLES AND COVERS

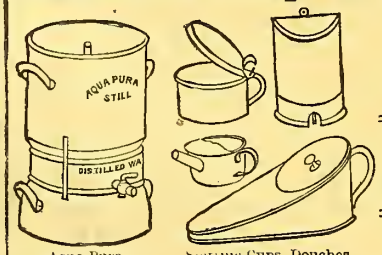
ARTHUR BERTON, Ltd. Manufacturers,
15 and 17 WORSHIP STREET, 2a TABERNACLE STREET, } **LONDON, E.C.**
BEN MILLS & WATERFOLD MILLS, BURY, LANCASHIRE.
SAMPLES AND QUOTATIONS ON APPLICATION.

GAUZE TISSUE (AS GAMGEE)
CAPSICUM (METHYL SALICYLATE)
PINE WOOL
COTTON WOOLS
BANDAGES
GAUZES LINTS
PADS

Telegrams:— "Renilreb London."
Telephones:— City ... ... 998. London Wall 507.

A return of 50% to 65% on outlay can be made by all Chemists who will handle 'HOME' BATH CABINETS.
BRITISH-MADE THROUGHOUT.
To give you a fair start, we offer a Sample Cabinet complete, and a supply of strong selling literature at the following *cut prices, Cash with Order.*
With Inside Spirit Heater 25/9, Retailing at 38/6
" Outside " " 35/3, " 49/6
Riley Bros. (1914) Ltd., Bradford
THE ONLY MAKERS TO THE TRADE.

Enamelled Hospital Requisites



Aqua-Pura Water Still. Spitting Cups, Douches, Bed Pans, &c.

HIGHEST QUALITY.
PERFECT PACKING.
BRITISH MANUFACTURE.
Write for Catalogue.

ORME, EVANS & CO., LTD. Works: Wolverhampton, England.
Showrooms—London, Sydney, Capetown, Montreal, Vancouver.

AIR CUSHIONS.

Fig. 1194.

BRITISH MAKE.

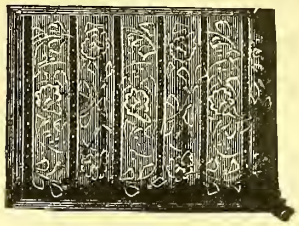


Fig. 1354.

Fig. 1194.—The **"EMPIRE,"** red India-rubber Air Cushion—

Diameter	14	15	16	17	18	19	20 in.
Each ...	6 6	7 0	8 0	8 6	10 0	11 6	12 6

Fig. 1354.—Air Cushion, sateen covered, reeded ... ... Sizes 14×10 | 15×12 | 18×14 in.
Each 4 3 | 4 9 | 6 0

Special Line.—Khaki-covered Pillow, 17×12 in., in khaki case with clasp ... ... each 4 9
,, ,, ,, ,, ,, super quality ... ,, 6 0

5% discount allowed for prompt cash off above prices. Carriage paid on orders of £2 and upwards to any town in the United Kingdom.

We are the right House for BRITISH-MADE GOODS—Bandages, Belts, Catheters, Clinical Thermometers, Combs, Enemas, Elastic Hosiery, Hot Water Bottles, Trusses, Splints, Water and Air Beds, Water and Air Cushions, Waterproof Sheeting, and every description of Rubber and Vulcanite Goods.

ILLUSTRATED PRICE LIST POST FREE. OUR GOODS ARE RIGHT. MONEY BACK IF NOT SATISFIED.

BURGE, WARREN & RIDGLEY, LTD.,
91 & 92 GREAT SAFFRON HILL, LONDON, E.C.

E. YOULDON, LTD.
MANUFACTURERS OF
GLASS BOTTLES
TREBY ST. (late Carter St.),
Maplin St., Mile End, London, E.

ESTABLISHED 1840. Telegrams: "YOULDON, BOWBUR, LONDON." Telephone: EAST 132.

Anti-Gun Deafness Device.
Approved by the Admiralty.
THE MALLOCK-ARMSTRONG EAR DEFENDER
(Mr. A. Mallock, F.R.S.—Messrs. Armstrong, Whitworth, Ltd.)
PATENTED.
SMALL SOUNDS HEARD CLEARLY FROM USUAL DISTANCES.
Employed in every branch of the three Services, and in the Royal Aircraft and other Factories.
Retail Price, 4/-.
Write for ***REVISED TRADE TERMS*** *to*
THE MALLOCK-ARMSTRONG EAR DEFENDER CO.
86 York Street, Westminster, S.W.
Showroom & Factory: 5 Carteret St. (St. James's Park Station).
Telephone No.: VICTORIA 2944.

EXCELSIOR CREPE BANDAGES. FAST EDGE.
EXCELSIOR CREPE BANDAGE NAME

Owing to the War, the supply of Crepe Velpeau Bandages is discontinued. We are, therefore, placing on the market a Bandage of ENGLISH manufacture to replace it, which will be sold as

GIMBER'S EXCELSIOR CREPE BANDAGE

TRADE MARK

An Elastic Bandage. Containing no Indiarubber. Superseding Elastic Stockings, Webs, Bandages, and at half the cost. Three sizes, about 2, 2½, and 3½ inches wide. **Excelsior Crepe Abdominal Binders.**—Useful after many Abdominal Operations, and for ladies after confinements. Two sizes: 8 & 11 in. wide.

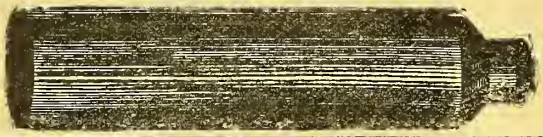
CAUTION.—Beware of fraudulent and useless imitations, and reject all Bandages not bearing the above Trade Mark on the Wrappers

Wholesale of
W. GIMBER & SON, Surgical Bandage and Instrument Makers, 44 Queen's Rd., PECKHAM, LONDON, S.E.
And of all Wholesale Druggists, Chemists, Surgical Instrument Makers, &c.
Telephone: New Cross 1601. Descriptive Circular & Price List on application.

BROOKS, PEEL & CO., LTD.

Makers of Collapsible Tubes and Filling Machines for same. Patentees of Sprinkler and other Stoppers for Perfumes, Washes, &c. Screw Caps.

24 City Road, Finsbury Square, London, E.C.



There's a Vacancy

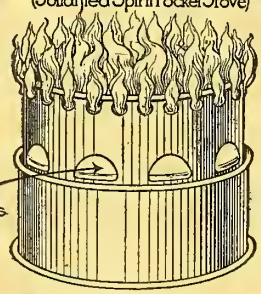
FOR A

SEMREH BOTTLE CAP

when the stopper is in. Semreh Caps add "the finishing touch." Air-tight, spirit-proof and self-fixing.

Details from the **VISCOSE DEVELOPMENT CO., Ltd.**
BROMLEY, KENT.

"THE PALS" COOKER
(Solidified Spirit Pocket Stove)



The name "The PALS" is our registered trade mark. "The PALS" Kettle or Pan rest is our registered design.

Solidified Spirit Pocket Stove for the "Pals" at the Front!

Hot water and food quickly and easily prepared by using "THE PALS" COOKER! Superior quality. Clean and powerful. A new design. Compact and handy. A welcome gift.

Far away the **BEST STOVE** Made.

"The composition of this solid spirit is a new and exclusive preparation."

COMPLETE STOVE RETAILS at 1/- EACH.
REFILLS RETAIL AT 1/- and 2/- PER TIN.

Sole Manufacturers: MATTHIAS JACKSON & SONS, Shepley Street Works, London Road, Manchester.

STIPENDUM CORK STOPPERS

in all sizes suitable for KALIS, CITRATES, DISPENSING, and all FLUIDS.

STIPENDUM COVERED POTS

THE BEST FOR FACE AND TOOTH POWDERS, PASTES, AND OINTMENTS.

GREASE PROOF.

For Samples & particulars apply to
The
Stipendum Stopper Co.
1 Newman Street,
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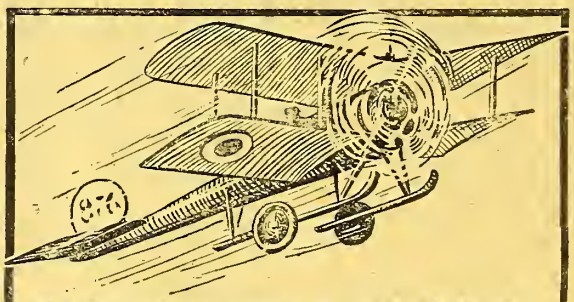
Tel. No. 3769
GERRARD.



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all over Britain and the Colonies with our samples, and the results are marvellous. You have but to send for them and you will order. They are the most up-to-date of any house in the Kingdom, and we charge the most reasonable prices, considering the crisis we are passing through.

Our Summer Specialities are very choice.

Send for particulars of our TRENCH BODY BELT, no soldier should be without one. They are a ready sale.

Send **6d.** Stamps for Set of Samples. Full Set to Colonies **10/6**, which amount we credit for Order of **£5** and upwards.

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Chemists' Printers,
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"SANOID" BORACIC SOCKS.

MANY Chemists have enjoyed the ready sale of Boracic Socks, which literally

SELL THEMSELVES

NOW is the time to order, so as to enjoy a share of these

READY SALES

3/6 per dozen pairs.
SAMPLE ON APPLICATION.

CUXSON, GERRARD & CO., Ltd., OLDBURY.

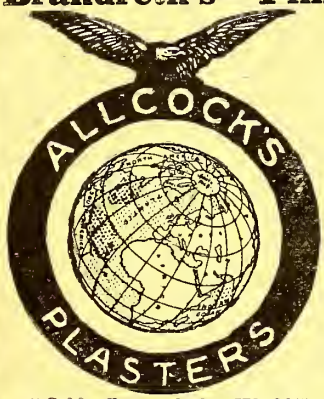
The Original and only Genuine

Allcock's

POROUS **PLASTERS**

A REMEDY OF 60 YEARS' STANDING.

Allcock's Plasters
Allcock's Corn and Bunion Plasters
Brandreth's Pills
The Three Reliables.



ON P.A.T.A. LIST.

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ALLCOCK MANUFACTURING COMPANY
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"Sold all round the World."

A high-grade Toilet Soap of marked Antiseptic properties.
Non-irritating.
Agreeably perfumed.
Lathers in hard water.
Assists the complexion.
Heals cuts & abrasions.
Invaluable in the Nursery.

TOILET SOAP, 10d. SHAVING SOAP, 10d.

A READY SELLER WITH GOOD PROFIT.

Chemists should write for terms.

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Stocked by all Patent Medicine Vendors.

TOMMY'S COOKER.

PATENTED.

Solid Fuel Pocket Stove.

Is the most welcome gift to soldiers in the trenches. . . . For preparing food out of doors it is perfection.

As used by the British and French Army, and the Red Cross Society.

PRICE 1/- REFILLS, 2/-

Beware of Imitations.

Tommy's Cooker Co. Ld.

Works: 32 BREWERY ROAD, N.

"SOLAZZI" LIQUORICE JUICE

THE CHEMISTS' BRAND.

'The Lancet' says: 'Of Standard Purity'

Recommended also by *The British Medical Journal, Health, The Chemist and Druggist, Food and Sanitation.*

Ask for SHOWCARDS and HANDBILLS. To be obtained of all Wholesale Houses.

ERNEST JACKSON & CO.

Manufacturing Chemists.

Specialists in { MEDICATED LOZENGES, PASTILLES, JUJUBES, COMPRESSED TABLETS, CAPSULES, PERLES, CACHOUS, BOILED GOODS, SALINES, &c. &c.

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THE ORIGINAL *cushion-shaped*
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Customers' Cylinders filled on day of arrival.

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THE GOLD MEDAL FRUIT DRINK.

Quick Seller. Big Profits. Quarter of a Century's Reputation.

"ABDINE" is the most popular Health Drink. Superior to all Mineral Waters. Sold in 1d. Packets, and Boxes of 13 Packets at 1/-

Order through your Wholesale Drug House.

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Lofthouse & Saltmer, Ltd.

Wholesale and Export Drug Merchants,
Manufacturing Chemists

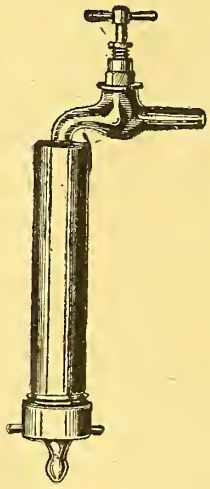
HULL

Regret that, owing to great increases in cost of ingredients and containers, they are reluctantly compelled to raise the net prices of the following P.A.T.A. lines:

	Protected Retail.	Dozen Net.
LOSALL'S SALT - -	6d. tins	4/-
,, ,, - -	1/- ,,	8/-
,, ,, - -	1/6 bottles	10/6
,, BALLROOM FLOOR POLISH	1/- tins	7/6
,, MILK FOOD (1/- tins)	10d. each	7/-
		Dozen Boxes net.
LOSALL'S SOAP - -	4d. tabs. (3 tabs. in box)	8/6

Chemists requiring effective advertising matter for Losall's Salt, &c., will, on application direct to Lofthouse & Saltmer, receive a liberal supply of Dummies, Showcards, Window Slips, Price Tickets, &c., Carriage Paid, whether or no they have an account open with the Firm.

PURE DRINKING WATER.



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OFFICIAL GOVERNMENT STATEMENT:

Wherever the **PASTEUR FILTER** has been applied, **TYPHOID FEVER** has disappeared.

WRITE FOR LIST B.

Sole Makers:

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"RODINE" VICTORIOUS

Mr. Colville, Espley Hall, Morpeth, writes: "The Rodine I got from you a year ago cleared us of thousands of rats. We used it for two farms, the gardens and pheasant feeding places in the woods, and have had no trouble from rats since. Previous to using Rodine Rat Poison we used as much as 4 doz. tubes virus at a time without any appreciable effect." As Mr. M'Diarmid (Lord Rosebery's Headkeeper), says:

"RODINE" MAKES A CLEAN SWEEP

Get it on best terms from the Maker

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Manufacturing Chemist

PERTH, SCOTLAND

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DANYSZ VIRUS

Is on the P.A.T.A. LIST.

Retail Prices
2/- Per Single Tube
5/- For Three Tubes

LEAVE YOU A **PROFIT of 75% and 50%** RESPECTIVELY.

LIQUID VIRUS for large applications at 6/- per quart bottle, making about 5 lb. of bait.

SHOWCARDS.—Dummy Boxes, Clockwork Cats for Window Display, Circulars, Postcards, &c., on application.

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All Chemists should note that

EXTIRMO

(Trade Mark Regd.)

has Three Good Points.

Numbers 1 and 3 appeal to you, and Number 2 to your customers.

1. Saleability.

2. Merit:—

"EXTIRMO" is on the P.A.T.A. List.
"EXTIRMO" kills and mummifies RATS, MICE, BEETLES and COCKROACHES and leaves no smell.
"EXTIRMO" does not require a Poison Book signature.
"EXTIRMO" will keep in a perfect condition for an indefinite period.
"EXTIRMO" is superior as regards the get-up of the Tube or double-lidded tin.
"EXTIRMO" is used and approved by all the leading Medical Officers of Health.
"EXTIRMO" is BRITISH THROUGHOUT.

3. "EXTIRMO" shows you a profit of over 33%.

Write for Trade Terms to Sales Manager, Dept. 10,
EXTIRMO LIMITED, HULL.

IT SELLS ITSELF!

THERE ARE NO FLIES ON

Flysol

IT KEEPS OFF FLIES, GNATS, MOSQUITOES, and other winged insects

Retails at **4½d.** per Tube.

YOU can do big business with FLYSOL this season anywhere, particularly in MILITARY DISTRICTS, GOLFING, FISHING, &c., CENTRES, and at HOLIDAY RESORTS. INVALUABLE IN TROPICAL CLIMATES. Send a trial order to your Wholesaler.

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SPECIALITIES.—Gums Arabic and Tragacanth as imported or finely powdered.

PRECIPITATED CHALK.
Lightest and Whitest, also Purest Dense.
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CACHETS "FINOT"
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With inscriptions in any desired tint; also Plain or Embossed.
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These Cachets are especially adapted for Headache, Neuralgia and other powders.
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ANILINE DYES
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THE ELBIE DUSTLESS DUSTER.
Absorbent, healthy, and hygienic; no shaking required; after washing is as good as new; polishes and dusts at the same time.
Obtained Award of Merit, Institute of Hygiene.
Retail price 1/2 each. Sample dozen, postage paid, 5/6.
Sales to date nearly 500 000.
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SHAVING STICKS
6d. "THE FLAG," Cartoned, 3/- doz.. 33/- gross.
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1/- ALUMINIUM HOLDER, 7/6 doz. and bonus 2.
Sample of each for stamps 1/3.
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20/- OUTLAY
To first 500 Chemists who send us £1 postal order, we will send, Carr. Paid, a startling Bargain Parcel which we guarantee will return £4. Only one parcel will be given to each Chemist. Send now, to-morrow may be too late. This offer only holds good for 14 days positively, no matter whether we have 500 customers apply or not. Address now, NI-VERRE CHEMICAL CO., 5 to 7 Ormeau Avenue, BELFAST, IRELAND.
80/- RETURNS

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"BAITED" PHOSPHOR PASTE.
GAMEKEEPERS recommend it. Pots 3d., 6d., & 1/-.
THE RAT, MOLE, MOUSE & BEETLE POISON.
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First-Class Mechanical Dentistry.
Reliable workmanship. Popular Prices. Moderate charges for Gold, D.A., Tubes, Seamless Gold Crowns, Sections, Vulcanite, &c. Ash's and D.M. Co. Teeth and Rubber guaranteed. Punctuality strictly observed. List free. Trial case solicited. Gold and D.A. work a speciality. Special cheap rates for showcase pieces. 20 years' experience of first-class mechanical dentistry.
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SHADEINE
FOR COLOURING GREY HAIR.
This popular article is largely advertised and stocked by all Wholesale Houses.
TRIAL BOTTLES 6d. size, supplied on pretty showcards.
4/6 doz.; 1/- size, 10/- doz.; 3/6 size, 30/- doz.
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Zepto *advertised 9d. P.A.T.A. 7½d. 4/6 dozen.*
WOULD you like a show that incurred no risk and sold this line NOW? Thats the interesting proposition we should like to tell you about if we may.
CHRISTYS, OLD SWAN LANE, E.C.

A. MILLAR & CO., LTD., DUBLIN
PURE ORANGE WINE

(VINUM AURANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only.)
London Agent: JAMES STIRTON, 43 GREAT TOWER STREET, E.C.

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ESTABLISHED 1865.
7 India Street, Crutched Friars, London, E.C.
supply **GLASS AMPOULES, TUBES and LAMP BLOWN ARTICLES**
OF EVERY DESCRIPTION. PROMPT DELIVERY.
DIRECT FROM THE WORKS. :: WHOLESALE & EXPORT.

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SOLUBLE QUININE PESSARIES.

THE WORLD-WIDE REPUTATION that these Pessaries have obtained since their invention by W. J. Rendell in 1885 has induced unscrupulous persons to place upon the market worthless and injurious compounds, with colourable imitations of W. J. Rendell's labels. To distinguish the genuine Pessaries from these fraudulent concoctions, see that the Registered Trade Mark and Number, in *RED INK*, are upon each box thus:

Registered Trade Mark, without which none are genuine. No. 182,688.
W. J. Rendell
No. 182,688

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[See p. 425 "C. & D." Diary 1916

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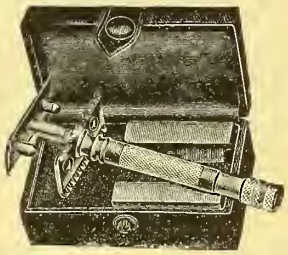

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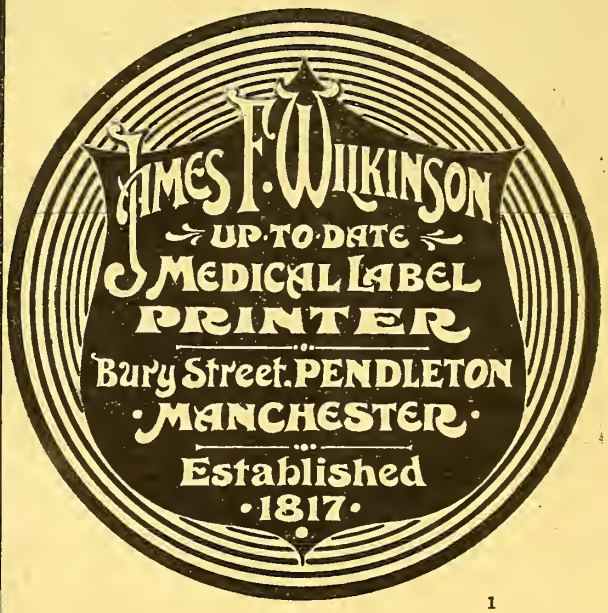

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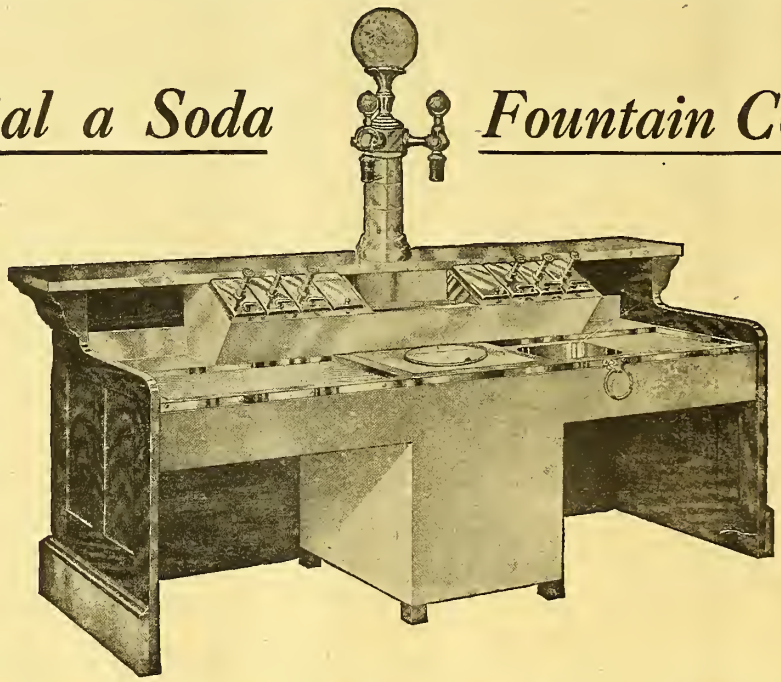

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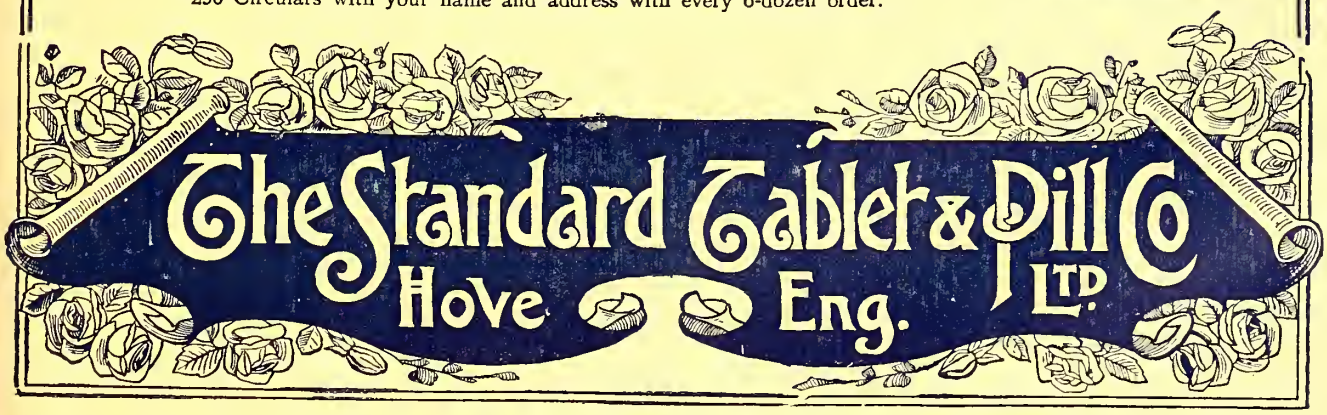

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